METEOROLOGICAL OFFICE.

DAILY WEATHER REPORTS.

1ST JULY TO 31ST DECEMBER, 1903.

DAILY WEATHER REPORT.

July to December 1903.

4631 1.04.

E. Weller & Grahams, Ltd Litho. London

SUPPLEMENT TO THE DAILY WEATHER REPORT.

VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE

IN THE SIX MONTHS, JULY TO DECEMBER.

	STATIONS.	PRESSURE AT 8 A.M. Means, 1871-1900.	TEMPERATURE OF AIR. 1871-1900. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Date.	Minimum.	Date.	RAINFALL. Means for 1871-1900: Days with Rain.	1866-1900: Total Fall.	BRIGHT SUNSHINE. Means, 1881-1900: Average Duration.	Per cent. of possible.
		(Inches.)	°	°	°	°	°		°			(Inches.)	(Hours.)	
JULY.	Sumburgh Head	29·806	53·4	51·7	57·6	48·3	70	1897	37	1888	17	2·33	—	—
	Stornoway	29·822	55·5	53·7	60·3	49·1	76	1894	32	1888	21	2·97	140·8	26
	Malin Head	29·873	56·1	54·0	61·0	53·6	[75]*	[1887]	[42]*	[1888]	[19]*	[2·87]*	—	—
	Blacksod Point	29·914	57·8	55·2	62·4	53·8	[80]*	[1894]	[42]*	[1898]	[21]*	[2·94]*	—	—
	Valencia	29·960	59·2	56·6	64·0	53·8	80	1878	42	1898	20	3·95	154·4	31
	Roche's Point	29·957	59·0	56·1	65·8	53·7	84	1876	45	1888	15	3·00	—	—
	Parsonstown	29·937	58·1	55·0	66·4	51·7	89	1876	37	1889	17	2·95	139·2	28
	Donaghadee	29·904	57·4	55·5	63·5	52·1	81	1876	40	1883	18	2·83	—	—
	Liverpool	29·927	59·5	55·6	66·0	54·3	89	1873	44	1877	16	2·77	—	—
	Holyhead	29·932	58·3	56·0	63·8	54·1	83	1894	43	1888	16	2·46	—	—
	Pembroke	29·956	58·2	56·2	62·7	54·9	80	1878	45	1888	14	2·42	205·3	42
	Scilly	29·987	60·5	58·3	64·9	56·5	75	1886	48	1875	16	2·29	—	—
	Jersey	30·015	62·5	59·1	68·6	56·5	90	1873	46	1877, 97	13	2·30	244·2	51
	Portland Bill ‡	[30·071]	[61·7]	[59·3]	[67·0]	[55·4]	—	—	—	—	[6]	[0·94]	—	—
	Dungeness	29·965	61·9	58·6	67·0	56·1	82	1900	40	1890	12	1·62	—	—
	Wick	29·835	56·0	53·7	61·8	48·9	81	1876	30	1886	18	2·54	—	—
	Nairn	29·838	56·9	53·7	64·5	50·3	86	1876	37	1886, 97, 98	17	2·68	—	—
	Aberdeen	29·852	57·6	53·8	63·7	50·7	86	1876	38	1898	18	2·82	165·9	32
	Leith	29·867	58·6	55·0	66·6	51·4	90	1876	41	1887, 88, 92	16	2·76	—	—
	North Shields	29·887	58·2	55·1	64·3	51·9	85	1876	40	1885	15	2·55	—	—
	Spurn Head	29·914	59·6	56·9	65·1	55·0	[84]*	[1881, 1900]	[44]*	[1888]	13	1·70	—	—
	Yarmouth	29·938	60·8	57·6	66·3	54·9	87	1881	42	1872, 90	15	2·69	—	—
	Loughborough	29·947	60·9	57·2	71·4	52·6	[90]*	[1881]	[39]*	[1888]	15	2·24	—	—
	Oxford	29·963	60·2	56·6	70·1	53·5	90	1876, 1900	41	1888	14	2·49	200·7	41
	LONDON	29·971	62·2	57·7	72·7	54·2	95	1881	41	1877	13	2·27	174·7†	36†
AUGUST.	Sumburgh Head	29·782	53·5	51·9	57·7	48·5	69	1880	38	1885, 95	18	3·25	—	—
	Stornoway	29·794	55·1	53·5	60·2	49·1	75	1897, 99	33	1888	21	3·66	131·3	28
	Malin Head	29·839	56·4	54·3	61·8	54·1	[80]*	[1900]	[43]*	[1891]	[21]*	[3·25]*	—	—
	Blacksod Point	29·878	58·1	55·5	62·7	54·1	[78]*	[1899]	[42]*	[1887-88]	[22]*	[4·98]*	—	—
	Valencia	29·929	59·6	57·1	64·7	54·3	81	1899	42	1890	22	4·96	152·7	34
	Roche's Point	29·932	59·1	56·6	65·7	54·2	80	1880	44	1883	16	3·94	—	—
	Parsonstown	29·917	57·4	55·2	65·9	51·6	82	1893, 99, 1900	35	1885, 87	18	3·87	139·5	31
	Donaghadee	29·881	57·1	55·5	62·8	52·5	78	1899	38	1886	19	3·30	—	—
	Liverpool	29·908	58·8	55·3	65·8	54·3	85	1876, 84, 93, 99	44	1885	17	2·96	—	—
	Holyhead	29·909	58·6	56·5	64·0	54·8	83	1893	45	1888	16	3·02	—	—
	Pembroke	29·932	58·9	56·8	63·3	55·8	78	1874, 99	47	1885, 88	16	2·91	193·8	43
	Scilly	29·962	61·2	59·0	65·3	57·1	75	1893, 99	50	1885, 90, 95	17	2·49	—	—
	Jersey	29·995	63·2	59·8	69·1	57·4	89	1893	45	1890	14	2·48	244·8	56
	Portland Bill ‡	[30·042]	[62·2]	[60·0]	[68·5]	[55·7]	—	—	—	—	[11]	[1·57]	—	—
	Dungeness	29·953	62·1	58·9	67·5	56·6	80	1887, 94	39	1890	13	1·81	—	—
	Wick	29·814	55·5	53·5	61·4	48·6	85	1893	30	1886	18	2·61	—	—
	Nairn	29·817	56·0	53·2	63·9	49·9	86	1899	33	1885, 91	18	2·68	—	—
	Aberdeen	29·835	56·7	53·5	63·1	50·2	81	1880, 82, 99	33	1885	18	3·03	153·3	33
	Leith	29·848	57·7	54·6	66·0	51·4	85	1893	37	1874	16	2·72	—	—
	North Shields	29·871	57·3	54·7	64·0	51·8	83	1893	39	1892	16	2·83	—	—
	Spurn Head	29·904	59·1	56·8	64·7	55·0	[87]*	[1893]	[46]*	[1887, 90, 1900]	15	1·87	—	—
	Yarmouth	29·929	60·6	57·6	66·3	54·8	85	1893	42	1876, 85	14	2·26	—	—
	Loughborough	29·935	59·1	56·2	70·4	52·0	[91]*	[1893]	[38]*	[1885, 87, 88]	14	2·46	—	—
	Oxford	29·954	58·9	56·0	69·4	53·0	90	1876	39	1892	13	2·38	185·7	42
	LONDON	29·961	61·0	57·4	71·9	53·7	96	1876	39	1887, 90	13	2·30	165·9†	37†
SEPTEMBER.	Sumburgh Head	29·783	50·8	49·1	54·9	46·2	69	1898	34	1887, 88	20	3·48	—	—
	Stornoway	29·806	51·5	50·2	56·7	45·7	72	1898	32	1871, 75, 85	21	4·17	107·4	28
	Malin Head	29·864	53·7	51·4	58·5	51·1	[78]*	[1898]	[38]*	[1886]	[19]*	[3·11]*	—	—
	Blacksod Point	29·905	55·3	52·9	59·8	51·6	[78]*	[1898]	[39]*	[1899]	[21]*	[3·99]*	—	—
	Valencia	29·963	56·6	54·2	61·9	51·4	79	1898	35	1899	19	4·34	133·1	36
	Roche's Point	29·966	55·8	53·7	61·9	51·3	74	1880	39	1893	14	3·62	—	—
	Parsonstown	29·947	52·9	51·0	61·9	47·3	79	1880, 98	29	1899	17	2·92	129·2	35
	Donaghadee	29·913	53·7	52·4	60·1	49·3	74	1898	36	1882, 94, 99	17	2·80	—	—
	Liverpool	29·944	54·8	52·1	61·5	50·9	82	1880	39	1885	16	3·12	—	—
	Holyhead	29·939	55·9	53·7	60·8	52·3	78	1880	43	1873, 85, 97	16	3·04	—	—
	Pembroke	29·962	56·4	54·2	60·4	53·2	74	1895	40	1885	16	3·24	148·3	40
	Scilly	29·983	58·8	56·6	62·4	54·9	73	1899	44	1885, 88	17	3·15	—	—
	Jersey	30·008	60·4	57·2	66·0	55·0	86	1895	41	1891	15	3·04	184·9	50
	Portland Bill ‡	[30·038]	[59·0]	[57·0]	[64·7]	[54·0]	—	—	—	—	[9]	[1·55]	—	—
	Dungeness	29·981	58·0	55·5	64·0	53·0	78	1898, 99	32	1885	14	2·53	—	—
	Wick	29·822	52·1	50·3	58·0	45·7	78	1898	29	1885, 87	19	2·70	—	—
	Nairn	29·835	51·6	49·4	59·7	45·9	83	1898	25	1892	17	2·54	—	—
	Aberdeen	29·856	52·5	49·9	59·4	46·6	81	1898	30	1887	17	2·87	124·0	33
	Leith	29·880	53·5	50·9	62·1	47·5	83	1898	33	1886	15	2·19	—	—
	North Shields	29·905	53·2	51·1	60·4	48·3	81	1898	34	1885, 89, 93	14	2·20	—	—
	Spurn Head	29·941	55·7	53·8	60·9	52·4	[79]*	[1899]	[38]*	[1892]	14	1·80	—	—
	Yarmouth	29·956	56·5	54·3	62·4	51·3	78	1880, 98	33	1885	15	2·57	—	—
	Loughborough	29·970	53·5	51·7	65·5	47·5	[90]*	[1898]	[29]*	[1898]	14	2·44	—	—
	Oxford	29·985	54·0	52·1	64·6	48·8	90	1898	33	1885	13	2·39	144·2	39
	LONDON	29·991	55·8	53·4	66·8	49·7	91	1898	30	1877	13	2·21	116·0†	31†

* These values are from observations made during the following periods:—Spurn Head and Loughborough, 20 years, 1881-1900; Malin Head and Blacksod Point (Belmullet), 15 years, 1886-1900.
† The Sunshine values are for Westminster. ‡ The values for Portland Bill are for two years only, 1899-1900.

10477—2000—12/1901 Wt 24561 D & S—23

VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE

(CONTINUED).

	STATIONS.	PRESSURE AT 8 A.M. Means, 1871-1900.	TEMPERATURE OF AIR. 1871-1900. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Date.	Minimum.	Date.	RAINFALL. Means for 1871-1900: Days with Rain.	1866-1900: Total Fall.	BRIGHT SUNSHINE. Means, 1881-1900. Average Duration.	Per cent. of possible.
		(Inches.)	°	°	°	°	°		°			(Inches.)	(Hours.)	
OCTOBER.	Sumburgh Head	29·721	45·9	44·3	49·8	41·6	61	1898	26	1875	24	4·43	—	—
	Stornoway	29·752	45·4	44·4	51·1	40·3	70	1898	26	1886	24	5·31	87·0	28
	Malin Head	29·803	48·4	46·3	52·6	45·6	[69]*	[1898]	[32]*	[1892]	[21]*	[2·99]*	—	—
	Blacksod Point	29·851	49·5	46·6	54·1	45·9	[70]*	[1898]	[33]*	[1892]	[23]*	[5·20]*	—	—
	Valencia	29·885	51·0	48·9	56·4	46·3	69	1898	28	1892	22	5·61	104·4	32
	Roche's Point	29·886	50·1	48·3	55·8	46·0	65	1880, 84, 86	32	1881	16	4·21	—	—
	Parsonstown	29·883	45·5	44·0	54·7	40·5	69	1898	22	1880	18	3·06	99·9	31
	Donaghadee	29·843	47·8	46·5	53·7	43·5	66	1898	31	1892	18	3·14	—	—
	Liverpool	29·872	47·7	45·6	53·8	44·5	72	1886	27	1895	18	3·52	—	—
	Holyhead	29·863	50·2	48·1	54·7	46·9	71	1886	32	1892	20	4·33	—	—
	Pembroke	29·880	51·2	49·2	54·9	47·9	66	1872, 1886	33	1895	20	4·14	104·9	32
	Scilly	29·897	53·8	51·7	56·9	50·1	69	1895	38	1895, 96	21	3·73	—	—
	Jersey	29·920	53·7	50·9	58·6	48·9	73	1876, 1898, 1900	33	1887	19	4·47	130·0	40
	Portland Bill‡	[30·029]	[53·4]	[51·3]	[58·5]	[49·2]	—	—	—	—	[12]	[1·72]	—	—
	Dungeness	29·908	50·4	48·6	56·6	46·2	70	1886	23	1890	16	3·23	—	—
	Wick	29·755	46·2	44·6	51·8	40·4	73	1898	22	1885	21	3·11	—	—
	Nairn	29·773	44·6	42·8	52·2	39·8	72	1898	19	1896	18	2·43	—	—
	Aberdeen	29·791	45·7	43·6	52·5	41·2	74	1883	25	1880	20	3·00	98·9	31
	Leith	29·814	46·4	44·6	54·6	41·5	70	1898	25	1894	16	2·09	—	—
	North Shields	29·836	46·9	45·2	53·4	42·2	69	1898	27	1890, 92, 95	17	2·75	—	—
	Spurn Head	29·857	48·9	47·4	53·6	45·6	[70]*	[1900]	[33]*	[1887, 95]	16	2·34	—	—
	Yarmouth	29·884	49·2	47·6	54·4	44·6	74	1900	27	1895	18	2·98	—	—
	Loughborough	29·897	45·4	44·2	55·8	40·8	[77]*	[1886]	[20]*	[1890]	17	2·76	—	—
	Oxford	29·916	46·1	44·8	55·6	42·1	76	1886	22	1873	15	2·76	102·7	32
	LONDON	29·918	47·6	46·0	56·8	42·9	80	1880	24	1890	16	2·70	70·6†	22†
NOVEMBER.	Sumburgh Head	29·710	42·6	41·0	46·1	38·5	55	1890	21	1875	24	4·12	—	—
	Stornoway	29·720	42·5	41·5	46·8	37·4	58	1897	20	1880	23	5·28	40·6	18
	Malin Head	29·773	44·3	42·5	48·3	41·2	[59]*	[1894, 99]	[31]*	[1889]	[20]*	[3·08]*	—	—
	Blacksod Point	29·819	45·7	43·7	49·7	41·7	[66]*	[1897, 99]	[26]*	[1890]	[24]*	[5·22]*	—	—
	Valencia	29·883	47·6	45·6	52·4	43·0	63	1881	27	1890, 96	22	5·67	65·8	26
	Roche's Point	29·888	46·5	45·0	51·4	42·3	61	1875	27	1890	19	4·65	—	—
	Parsonstown	29·869	42·0	40·6	49·4	37·2	63	1872	20	1890	19	2·97	63·8	25
	Donaghadee	29·838	43·9	42·7	48·8	39·7	60	1894	27	1878, 83	19	3·12	—	—
	Liverpool	29·883	43·0	41·2	48·3	40·0	63	1872	22	1880	17	2·71	—	—
	Holyhead	29·865	46·2	44·4	50·0	43·0	62	1881	29	1880	20	3·96	—	—
	Pembroke	29·890	47·4	45·7	50·6	43·9	58	1884, 95, 97, 99	28	1890	20	3·94	60·9	24
	Scilly	29·911	50·3	48·5	53·0	46·6	61	1898	29	1890	21	3·65	—	—
	Jersey	29·953	48·2	46·1	52·6	44·4	66	1899	16	1890	19	4·07	73·5	27
	Portland Bill‡	[29·989]	[49·9]	[47·7]	[53·3]	[45·3]	—	—	—	—	[14]	[3·65]	—	—
	Dungeness	29·923	45·0	43·6	50·1	41·1	63	1899	17	1890	17	2·57	—	—
	Wick	29·743	42·0	40·6	46·7	36·8	62	1900	15	1884	20	2·89	—	—
	Nairn	29·761	40·5	38·9	46·3	35·6	61	1885, 94	18	1880, 98	17	2·13	—	—
	Aberdeen	29·792	41·1	39·3	46·6	37·1	62	1872, 89	15	1880, 84	20	3·06	52·7	22
	Leith	29·817	42·3	40·5	48·5	37·5	64	1872	18	1885	18	2·07	—	—
	North Shields	29·844	42·8	41·2	48·0	38·4	62	1881, 94	20	1880	17	2·33	—	—
	Spurn Head	29·874	43·8	42·5	47·5	40·7	[61]*	[1894, 95]	[28]*	[1884]	17	2·19	—	—
	Yarmouth	29·898	43·7	42·5	48·0	39·5	60	1895, 98, 99	23	1890	19	2·78	—	—
	Loughborough	29·910	40·9	39·7	48·6	37·0	[64]*	[1900]	[19]*	[1887, 93]	17	2·14	—	—
	Oxford	29·928	41·6	40·4	48·8	37·9	68	1881	19	1871, 87	15	2·30	56·4	22
	LONDON	29·931	42·8	41·3	49·8	38·5	65	1894	19	1879	16	2·29	27·7†	11†
DECEMBER.	Sumburgh Head	29·647	40·1	38·6	43·2	35·9	53	1890	19	1877	26	4·46	—	—
	Stornoway	29·671	40·0	39·0	43·7	34·6	55	1898	15	1880	26	5·68	23·9	12
	Malin Head	29·748	41·6	40·1	45·4	38·3	[55]*	[1900]	[31]*	[1880, 87, 91, 92, 94, 96, 99]	[24]*	[3·36]*	—	—
	Blacksod Point	29·803	43·2	41·3	47·2	39·2	[59]*	[1899]	[26]*	[1896]	[27]*	[6·12]*	—	—
	Valencia	29·880	45·4	43·2	50·1	40·6	57	1884, 88, 99, 1900	24	1886	25	6·34	42·6	18
	Roche's Point	29·894	44·0	42·6	48·5	39·9	58	1873	25	1882	20	5·47	—	—
	Parsonstown	29·872	38·8	37·6	45·5	34·0	58	1877, 1900	8	1878	20	3·17	44·7	20
	Donaghadee	29·823	40·9	40·0	46·1	36·6	56	1885, 88, 94	20	1879	21	2·96	—	—
	Liverpool	29·881	39·4	37·7	44·2	36·1	59	1891, 98, 1900	13	1878	18	2·54	—	—
	Holyhead	29·864	43·2	41·6	46·8	39·5	56	1872, 88	25	1874	20	3·94	—	—
	Pembroke	29·963	44·4	43·0	47·4	40·9	57	1898	19	1890	21	4·17	44·0	19
	Scilly	29·936	47·7	45·8	50·3	43·8	58	1899, 1900	30	1890	22	4·19	—	—
	Jersey	29·992	44·0	42·2	48·1	40·1	61	1876	19	1871	20	3·88	62·3	25
	Portland Bill‡	[29·911]	[45·2]	[43·9]	[48·9]	[39·8]	—	—	—	—	[21]	[3·50]	—	—
	Dungeness	29·952	40·6	39·5	45·2	36·3	56	1880, 97, 98, 1900	12	1890	17	2·11	—	—
	Wick	29·684	38·7	37·5	42·9	33·4	56	[1898]	10	1880	22	3·18	—	—
	Nairn	29·713	37·5	36·0	42·6	32·4	58	1900	10	1882	18	2·16	—	—
	Aberdeen	29·747	37·5	35·8	42·4	33·3	58	1873	6	1882	20	3·23	38·2	19
	Leith	29·782	39·1	37·6	44·5	34·1	60	1896	6	1882	15	1·95	—	—
	North Shields	29·825	38·9	37·5	43·0	34·3	59	1873, 98	10	1878, 79	16	2·34	—	—
	Spurn Head	29·864	39·4	38·2	43·1	35·8	[56]*	[1898]	[19]*	[1891]	17	2·07	—	—
	Yarmouth	29·911	38·6	37·5	42·7	34·2	56	1873	15	1879	17	2·47	—	—
	Loughborough	29·914	36·9	35·9	43·5	32·8	[59]*	[1888, 1900]	[7]*	[1890]	15	2·35	—	—
	Oxford	29·950	37·6	36·5	43·7	34·0	58	1888, 97	6	1878	16	2·16	41·6	18
	LONDON	29·953	38·5	37·3	44·7	34·4	58	1873, 88, 91, 98	11	1878	15	2·15	13·1†	5†

* These values are from observations made during the following periods:—Spurn Head and Loughborough, 20 years, 1881-1900; Malin Head and Blacksod Point (Belmullet), 15 years, 1886-1900.

† The Sunshine values are for Westminster.

‡ The values for Portland Bill are for two years only, 1899-1900.

DAILY WEATHER REPORT

for 8 a.m. on Tuesday, 1st. December, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M. S. L. Ins.	Barometer. Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Temperature. Change since Yesterday. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Temp. Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.53	6	N	2	b	29.70	+.32	10	8	−5	N	2	c	*	16	6	–	*	–
	Hernösand ...	29.70	6	x	0	b	29.75	+.28	5	4	−11	x	0	f	*	21	5	–	*	–
	Stockholm ...	29.68	13	N	2	o	29.51	−.03	28	27	+15	NE	2	s	*	28	10	–	*	–
	Wisby	29.43	32	E	6	s	29.29	−.15	35	34	+3	E	4	o	*	36	27	–	*	0.08
	Karlstad	29.70	8	N	2	b	29.61	+.02	12	11	+5	N	2	b	*	*	*	–	*	–
	Færder (X'iania Fjord)	29.65	22	N	4	b	29.59	+.03	27	25	+5	N	6	b	2	27	19	–	*	–
	Bodö	29.43	17	E	4	o	29.59	+.26	24	21	+5	E	4	o	2	24	17	–	*	–
	Christiansund ...	29.60	35	SW	3	s	29.75	+.32	32	31	0	WSW	4	s	4	35	30	–	*	0.32
	Skudesnaes ...	29.62	31	SSE	2	b	29.64	+.17	22	20	−11	x	0	b	1	33	21	b	*	*
BRITISH ISLANDS.	Sumburgh Head	29.57	32	N	1	b	29.68	+.21	38	34	+6	NE	3	c	3	38	29	bc, b	*	0.03
	Stornoway ...	29.70	36	N	4	c	29.71	+.17	32	32	0	ENE	4	o	4	36	26	c	1.0	0.10
	Malin Head ...	29.66	39	NE	6	bosp	29.70	+.13	36	35	+1	NE	5	bcsp	4	39	33	o, bcsp	*	0.20
	Blacksod Pt. ...	29.74	42	N	7	bcghp	29.78	+.13	37	35	+2	N	5	cghpm	5	42	31	sp, ghp	*	0.28
	Valencia	29.75	37	NNE	3	b	29.77	+.16	35	34	−2	NE	3	cp	4	41	34	csp, b	1.4	0.20
	Roche's Point ...	29.66	38	N	4	b	29.73	+.17	33	32	−1	N	3	b	1	39	31	b	*	–
	Parsonstown ...	29.68	32	NW	2	bc	29.75	+.15	26	25	+1	NE	2	b	*	36	24	bc	4.2	–
	Donaghadee ...	29.62	40	NE	3	c	29.67	+.11	39	35	+1	NE	3	c	3	41	32	–	*	–
	Liverpool Obsy.	29.53	33	NNE	2	b	29.61	+.12	33	31	+4	NNE	2	b	2	36	29	sp, b	*	–
	Holyhead ...	29.54	38	NNE	4	c.	29.61	+.15	40	36	+2	NE	4	b	3	40	35	bc, c	*	–
	Pembroke (St. Ann's)	29.53	35	N	4	c	29.59	+.13	36	35	+1	NE	3	bc	?	38	33	csp, b	2.5	0.08
	Scilly (St. Mary's)...	29.50	44	NNE	5	chp	29.56	+.19	43	42	−1	N	4	chg	3	45	40	chp	3.6	0.17
	Jersey (St. Aubins)...	29.40	40	N	5	bchrsp	29.47	+.20	39	35	−1	NNE	4	cg	3	42	34	cphrs	1.4	0.19
	Portland Bill ...	29.44	34	NNE	4	bm	29.51	+.15	32	31	0	NNE	4	b	3	37	29	bc, bm	*	–
	Dungeness ...	29.34	35	NE	4	cgsp	29.43	+.16	35	34	−4	E	4	s	3	40	32	bc, cgsp	0.3	0.27
	Wick	29.56	33	N	4	c	29.61	+.19	36	33	+2	N	3	c	2	38	24	–	*	0.10
	Nairn	29.65	32	x	0	b	29.68	+.15	27	27	0	SW	1	bc	1	35	26	–	*	0.11
	Aberdeen ...	29.59	29	NW	4	bsp	29.65	+.17	30	29	+2	WNW	4	sp	2	33	26	b, bsp	1.4	0.20
	Leith	29.58	36	NW	2	b	29.64	+.15	33	32	+3	NW	1	bcm	*	37	29	–	*	–
	North Shields ...	29.47	36	NNW	3	osp	29.58	+.15	34	34	+8	NW	3	hsp	3	40	?26	csp	*	0.90
GERMANY, &c.	Spurn Head ...	29.41	34	N	3	bc	29.49	+.13	35	35	+1	NW	3	c	4	37	32	bcsp	*	0.39
	Yarmouth ...	29.33	39	ENE	6	bc	29.42	+.11	39	34	+1	NE	5	c	5	40	36	bc	*	0.01
	Nottingham ...	29.45	34	N	2	o	29.53	+.13	34	33	+2	NNE	1	o	*	35	31	c, o	0.0	–
	Oxford	29.47	32	N	3	c	29.54	+.14	33	32	0	N	2	o	*	36	30	sp, c	*	–
	London (Brixton)...	29.39	34	NW	2	og	29.47	+.13	34	32	0	N	2	om	*	37	32	osp, c	0.0	–
	The Scaw (Skagen)	29.58	29	NE	4	b	29.47	−.07	30	30	+2	NE	6	bc	2	30	27	–	*	–
	Fanö	29.44	24	NNE	3	b	29.36	−.11	28	27	+4	N	5	c	*	28	23	–	*	–
	Cuxhaven ...	29.30	32	NNE	5	c	29.25	−.11	32	31	+1	N	5	o	*	34	30	c, s	*	0.04
	The Helder ...	29.33	37	NE	5	bc	29.35	+.05	37	33	+4	NE	2	o	1	37	32	–	*	–
	Brussels	*	*	*	*	*	29.38		30	30		NNE	1	s	*	32	27	–	*	0.08
	Berlin	29.02	34	NW	2	s	29.13	−.09	34	33	+2	SW	1	f	*	34	32	–	*	0.16
	Frankfürt ...	29.20	34	N	3	o	29.29	+.18	32	32	−2	SW	2	o	*	36	30	–	*	0.08
	Munich	29.10	31	N	1	o	29.24	+.31	30	29	−2	x	0	o	*	34	30	–	*	–
FRANCE.	C. Gris Nez ...	29.33	38	ENE	5	b	29.42	+.18	30	29	−7	E	2	s	3	?	?	–	*	0.12
	Brest	29.45	39	NE	3	bc	29.51	+.24	34	32	−7	NE	2	c	1	45	32	–	*	–
	Lorient	29.39	39	NNE	5	c	29.46	+.23	36	36	−3	N	4	c	3	46	34	–	*	–
	Rochefort ...	29.29	36	NE	5	b	29.41	+.37	34	33	−6	NE	4	c	*	52	32	o, b	*	–
	Biarritz	29.22	42	ENE	2	c	29.54	+.49	36	33	−8	SSE	2	c	3	45	36	c, o	*	–
	Paris	29.23	31	NNE	4	s	29.36	+.22	31	28	0	N	3	o	*	32	29	–	*	0.12
	Belfort	29.08	32	ENE	4	m	29.23	+.22	30	29	−3	ENE	2	m	*	39	30	–	*	0.04
	Lyons	29.13	35	NW	1	o	29.27	+.22	33	32	+1	NW	2	s	*	36	32	–	*	0.08
	Nice	29.04	41	E	1	c	29.10	+.11	39	35	+4	E	1	o	5	48	35	–	*	0.35
	Perpignan ...	28.96	44	W	3	o	29.30	+.34	38	34	+1	NW	3	b	*	50	36	–	*	–
SPAN. PEN.	Corunna																		*	
	Lisbon														*				*	
	Azores (P. Delgada)	30.25	61	N	6	m	30.26	−.11	57	51	−1	NNE	5	c	3	64	55	–	*	0.12
	„ (Horta) ...	30.42	60	N	3	o	30.39	−.11	60	56	0	N	4	o	2	63	57	–	*	0.04

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.* † *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR *Tuesday, 1st December, 1903.*

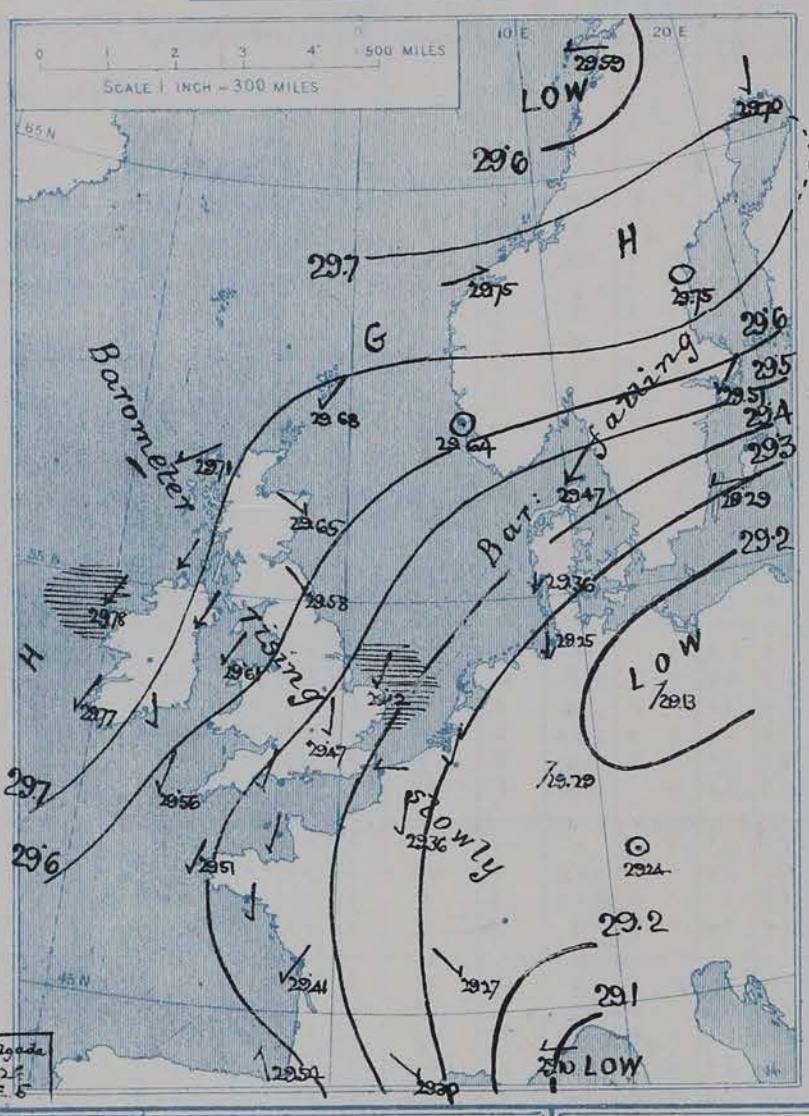
I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 — *Force 8 to 10* — *Force 5 to 7* — *Force 1 to 4* — Calm ⊙

SEA.—Rough — *High*

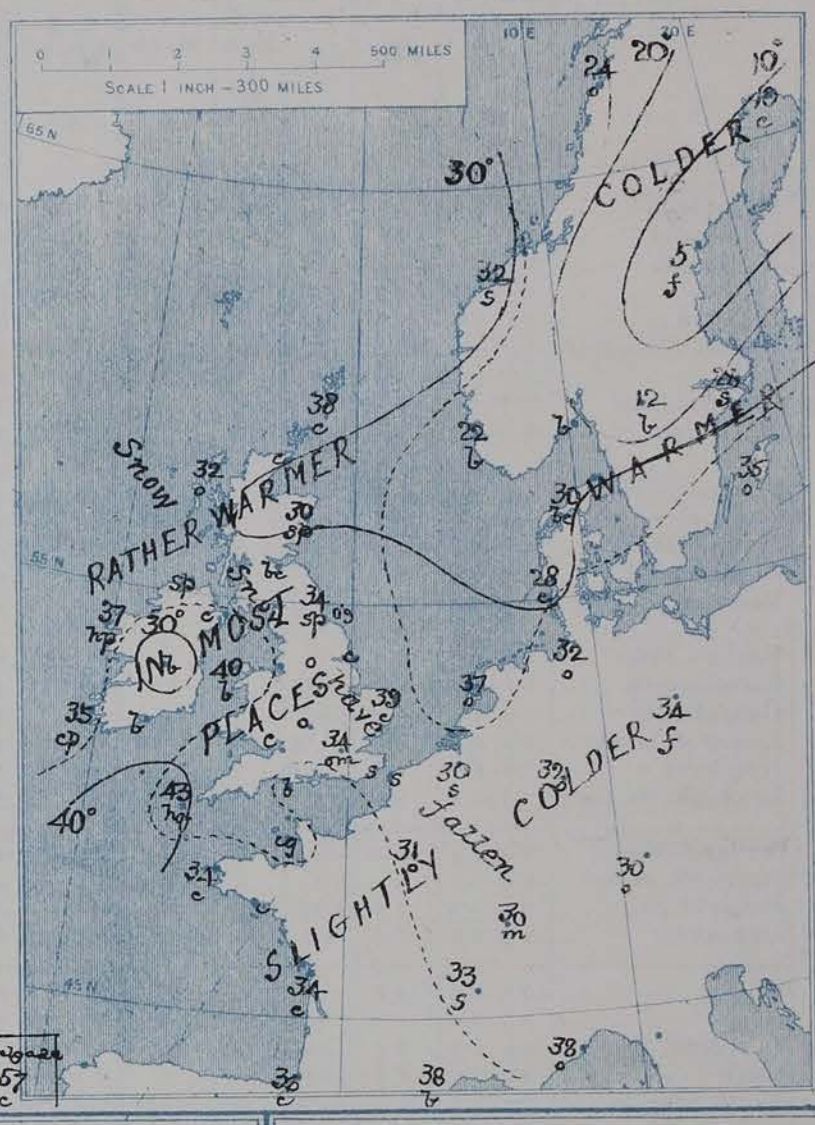


II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°

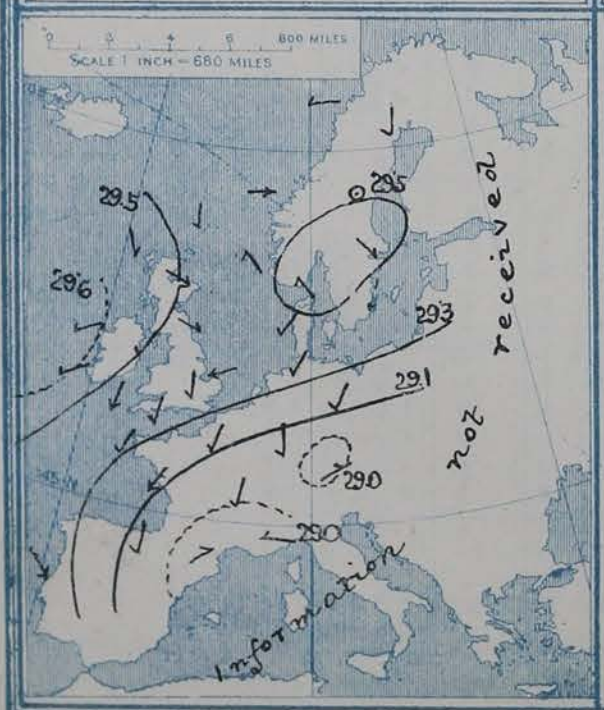
WEATHER.—Shown by Letters of the Beaufort Scale. *(See P. 4.)*

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus - 0·6



III. BAROMETER AND WIND

Yesterday morning.



IV. GREATEST AND LEAST MONTHLY RAINFALL IN DECEMBER

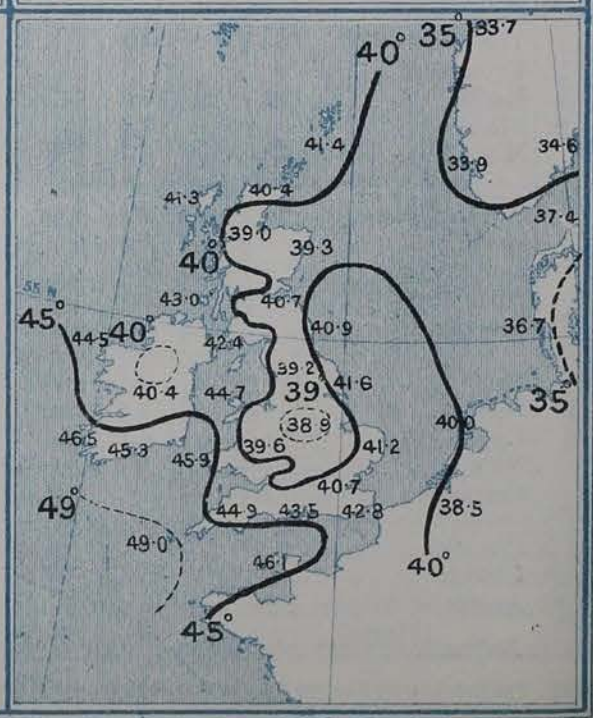
During the 32 Years 1871–1902.

Specimen for LONDON { *Greatest Rainfall* 5·82 (IN 1876) / *Least ... Do.* ..... 0·37 (IN 1873)

V. *Means of* DAILY TEMPERATURE

at 8 A.M. for the Two monthly period

NOVEMBER – DECEMBER (1871–1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

The depressions noticed yesterday over the English Channel and over Germany and the Baltic have moved southwards, the lowest pressures, 29.1 ins to 29.0 ins or rather less, being now reported over south Germany and the central and southern parts of France. In those regions the barometer is still falling, but in nearly all other parts of our area it is rising,-slightly in these Islands, but rather decidedly in Scandinavia. The highest pressures, 29.6 ins. and upwards are found over the west of Ireland, but the barometer is nealy as high, 29.5 ins and upwards, over the south of Scandinavia.

WIND TEMPERATURE WEATHER AND SEA

The wind is N^ly or NE^ly over western Europe generally, and blows strongly at the Channel stations. On some parts of our north and northeast coasts, however, it is NW^ly, while in Scandinavia it is rather variable. Temperature has fallen in nearly all places, and is now below the average, frost being reported over a considerable portion of our area. In our Islands the lowest readings are 25° at Parsonstown, 26° at Shields and 27° at Nairn. In France and Germany the thermometer is not quite so low, but in Scandinavia the frost is severe, the reading being as low as 7° at Karlstad, 13° at Stockholm and 15° at Haparanda. Snow is falling at several of our northern and central stations, as well as in Gamany and central France, and at Christiansund. In other parts of our area the weather is at present fine.

The sea is rather rough in the English Channel, and also at Yarmouth, but is slight or smooth elsewhere.

Rain, snow or sleet fell yesterday in most parts of western Europe; at Biarritz, where a thunderstorm occurred, the rainfall amounted to 1.9 inch. At the majority of our stations there was a complete absence of bright sunshine. Frost occurred last night over the whole Kingdom, the lowest temperatures reported being 20° at Wick, 23° at Parsonstown and 24° at Nairn. Thunder and lightning were observed at Scilly early this morning.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The high pressure systems off the west of Ireland, and over the south of Scandinavia are at present very feeble but are likely to increase in intensity, and will probably become united. Cold weather is therefore likely to continue, with some snow showers at first, but with a tendency for a subsequent improvement.

FORECASTS*

For the 24 hours ending at NOON on 1ST December, 1903

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NW^ly and N^ly winds, fresh at first, moderating later; cold, changeable, some snow showers.
1 SCOTLAND EAST	
2 ENGLAND N.E.	
3 ENGLAND EAST	Same as No. 5.
4 MIDLAND COUNTIES	N^ly winds, light; cold, changeable, some snow showers.
5 ENGLAND SOUTH	NE^ly winds, moderate or fresh; cold, changeable, some snow showers.
6 SCOTLAND WEST	Same as No. 4
7 ENGLAND N.W.	
8 ENGLAND S.W	NE^ly winds, moderate or fresh; fair at first, snow showers later.
9 IRELAND NORTH	N^ly and NE^ly winds, moderate; changeable, some snow showers.
10 IRELAND SOUTH	NE^ly winds, light; fair at first, snow showers later.
WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph; see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.					This Morning 8 a.m.									Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind Direct.	Wind Force	Weather.	Barometer. Ins.	Barometer. Change	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direct.	Wind Force	Weather.	Sea.	Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	c	*	42	33	crsp	0.5	0.11
Bath	29.39	40	NE	2	c	29.39	+ .09	34	32	- 6	N	3	8c	*	42	30	–	0.0	–

REPORTS FOR YESTERDAY.

STATIONS.	Temperture F. Max.	Temperture F. Min.	Weather.	Sunshine Hrs.	Rainfall. Ins.	STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine Hrs.	Rainfall. Ins.
Southport, to 9 p.m.... ...	42°	33°	c, or, c	0.0	0.02	Broadstairs...	*	*	*		*
Rhyl, to 6 p.m.	*	*	*	0.2	*	Margate	43	40	r, h, c, r	0.0	0.48
Llandudno...	*	*	*	0.0	*	Lowestoft, to 6 p.m.... ...					
Bettws-y-Coed, to 6 p.m. ...	44	34	8cm	0.0	*	Skegness	*	*	*		*
Aberystwyth, to 6 p.m. ...	48	43	c	0.0	–	Scarborough, to 6 p.m. ...	45	*	*	0.0	*
Plymouth, to 9 p.m.... ...						Harrogate, to 6 p.m. ...	42	33	o, 8, od	0.0	0.08
Worthing	*	*	*	0.0	*	Manchester, to 9 p.m. ...	44	36	og	0.0	–
Brighton		*	*		*	Darwen, to 7 p.m.	39	32	c, om	0.0	–
Eastbourne, to 6 p.m. ...	46	*	*	0.0	*	Birmingham, to 9 p.m. ...	43	33	o, 8	0.0	0.16
Hastings	*	*	*	0.0	*						

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 29th Nov. 1903.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	STATIONS.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.
Obser. not rec.									
Copenhagen					Algiers		*		
Utrecht...					Tunis		*		
Groningen					Madeira (Funchal)		*		
Vienna					28th Nov. 1903.	1 p.m.	*	1 p.m.	Measured 7 a.m.
Marseilles					Geneva	41	*	+	0.08
Florence					Berne	37	*	+	0.20
Rome					Coire	37	*	o	0.12
Naples					Castasegna	32	*	s	0.04
Palermo					Lugano	36	*	o	–
Malta					Davos	30	*	s	0.28

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.‡ (W.E.T.)	6 p.m.
Holland	8 a.m. (,, ,,)	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores { Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

30th Nov. 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	7.41	11.42	3.43
Greenwich	7.44	11.49	3.54
Wick	8.37	12.1	3.25
Valencia	8.27	12.30	4.32

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
,, Weekly , ,, ,, £1 10 0 ,, Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 2nd December, **1903.**

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. **W. N. SHAW.** *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M. S. L. Ins.	Barometer. Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Temperature. Change since Yesterday. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Temp. Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...														*				*	
	Hernösand ...	29.82	17	X	0	f	29.65	-·10	16	15	+11	N	2	0	*	18	3	–	*	–
	Stockholm ...	29.28	30	NE	8	s	29.46	-·05	27	27	-1	NNW	4	0	*	30	12	–	*	0·20
	Wisby	29.02	35	ESE	5	r	29.39	+·10	33	32	-2	SE	6	0	*	37	30	–	*	1·06
	Karlstad	29.55	25	N	4	o	29.64	+·03	23	22	+11	N	2	0	*	*	*	–	*	–
	Færder (X'iania Fjord)	29.60	30	N	8	c	29.68	+·09	30	26	+3	NNW	5	c	2	30	27	–	*	–
	Bodö	29.72	24	E	4	3c	29.67	+·08	20	18	-4	E	4	3	2	27	12	–	*	–
	Christiansund ...	29.80	31	SSW	2	s	29.78	+·03	28	25	-4	ESE	3	3	4	32	27	–	*	0·24
	Skudesnaes ...	29.75	27	X	0	3	29.77	+·13	23	22	+1	ENE	1	3	1	28	21	3	*	*
BRITISH ISLANDS.	Sumburgh Head	29.80	35	N	2	3	29.79	+·11	32	31	-6	N	1	c	3	38	30	3c,3	*	0·02
	Stornoway ...	29.89	36	N	3	o	29.91	+·20	34	32	+2	NW	3	o	3	39	29	c,o	1·9	0·10
	Malin Head ...	29.86	40	N	4	3	29.97	+·27	40	38	+4	SW	4	c	3	40	34	3	*	0·01
	Blacksod Pt. ...	29.90	35	N	3	chp	30.06	+·28	36	35	-1	WSW	3	cp	3	40	32	og,chp	*	0·09
	Valencia	29.89	37	NNE	2	3	30.12	+·35	29	28	-6	ENE	1	3	3	41	27	rsp,3	4·3	0·03
	Roche's Point ...	29.84	37	N	4	3	30.10	+·37	33	32	0	N	3	3	1	37	32	3c,3	*	–
	Parsonstown ...	29.93	30	N	2	3	30.11	+·36	21	20	-5	NE	2	3	*	36	19	3	4·3	–
	Donaghadee ...	29.81	41	NE	3	3	30.00	+·33	34	32	-5	NW	1	c	2	41	32	–	*	–
	Liverpool Obsy.	29.78	33	NNE	1	3	30.05	+·44	32	31	-1	X	0	3	1	36	27	–	*	–
	Holyhead ...	29.77	41	NE	4	chp	30.02	+·41	37	36	-3	SW	1	crsp	1	41	34	c,chp	*	0·02
	Pembroke (St. Ann's)	29.73	37	NE	3	3	30.05	+·46	33	31	-3	NE	3	3	1	41	32	3,2	2·9	–
	Scilly (St. Mary's)...	29.70	39	N	5	cg2	29.97	+·41	39	37	-4	NE	3	3c	3	43	36	h22,g2	0·2	0·10
	Jersey (St. Aubins)...	29.62	41	NNE	4	cgsp	29.89	+·42	41	37	+2	NE	4	cm	3	42	37	c,ghps	3·0	0·02
	Portland Bill ...	29.66	34	NNE	3	3c	29.94	+·43	32	31	0	N	3	3	2	36	30	3,3c	*	–
	Dungeness ...	29.56	33	N	2	c	29.90	+·47	32	31	-3	N	3	3c	3	36	29	c,sg	0·0	0·36
	Wick	29.81	29	N	1	3c	29.82	+·21	33	32	-3	W	2	o	1	42	25	–	*	0·08
	Nairn	29.87	34	NW	1	c	29.91	+·23	31	31	+4	S	1	s	1	35	25	–	*	0·19
	Aberdeen ...	29.85	26	NW	4	3sp	29.91	+·26	29	27	-1	WNW	3	3c	2	32	25	c,3sp	2·6	0·03
	Leith	29.82	35	N	1	3c	29.93	+·29	30	29	-3	W	1	3m	*	38	27	–	*	–
	North Shields ...	29.75	34	NW	3	c	29.93	+·35	27	26	-7	W	2	3c	3	40	26	csp,c	*	0·23
GERMANY, &c.	Spurn Head ...	29.66	38	NNE	5	3	29.89	+·40	32	32	-3	NW	4	3c	3	41	30	–	*	–
	Yarmouth ...	29.56	38	NNE	5	cgrh	29.84	+·42	41	36	+2	N	5	3c	5	41	36	c,crhg	*	0·08
	Nottingham ...	29.70	33	N	1	3	29.99	+·46	33	31	-1	NNW	2	3	*	37	31	3	1·4	–
	Oxford	29.75	32	N	3	3c	30.00	+·46	28	27	-5	N	2	3	*	37	28	c,3c	*	–
	London (Brixton)...	29.63	36	N	4	o	29.94	+·47	30	29	-4	NNW	1	3m	*	38	29	c,csp,3	0·0	–
	The Scaw (Skagen)	29.54	30	NE	6	c	29.64	+·17	30	30	0	NE	5	c	1	32	28	–	*	–
	Fanö	29.52	31	NNW	6	o	29.69	+·33	30	29	+2	NW	2	c	*	32	28	–	*	–
	Cuxhaven ...	29.38	33	N	5	s	29.68	+·43	31	30	-1	N	4	3	*	34	30	–	*	0·12
	The Helder ...	29.52	38	NNE	5	o	29.78	+·43	39	35	+2	NE	2	3c	2	39	34	–	*	–
	Brussels	*	*	*	*	*	29.84	+·46	22	22	-8	Z	0	f	*	33	22	–	*	0·04
	Berlin	29.41	34	W	1	o	29.63	+·50	33	33	-1	SW	3	o	*	36	32	–	*	–
	Frankfürt ...	29.55	34	W	1	o	29.75	+·46	32	31	0	SW	1	c	*	36	30	–	*	–
	Munich	29.47	29	NE	3	s	29.67	+·43	29	28	-1	NW	2	o	*	32	28	–	*	–
FRANCE.	C. Gris Nez ...	29.56	36	N	3	s	29.81	+·39	35	34	+5	?NW	3	o	4	35	30	–	*	?
	Brest	29.65	36	NE	2	c	29.89	+·38	36	34	+2	E	1	3c	2	43	34	–	*	0·39
	Lorient	29.60	40	N	4	o	29.86	+·40	38	37	+2	N	4	c	2	45	34	–	*	–
	Rochefort ...	29.56	34	NE	4	c	29.78	+·37	35	31	+1	NNE	3	o	*	39	32	c	*	–
	Biarritz	29.55	38	X	0	o	29.82	+·28	32	32	-4	E	3	3c	3	43	32	–	*	–
	Paris	29.54	31	NNE	1	o	29.82	+·46	28	28	-3	NNE	2	o	*	33	26	–	*	–
	Belfort	29.43	30	ENE	2	s	29.70	+·47	29	29	-1	ENE	2	m	*	33	29	–	*	–
	Lyons	29.50	33	NW	2	s	29.76	+·49	32	29	-1	NW	2	o	*	35	31	–	*	–
	Nice	29.32	39	E	5	c	29.52	+·42	38	35	-	X	0	c	3	43	37	–	*	0·08
	Perpignan ...	29.53	37	NW	4	c	29.75	+·45	28	27	-10	X	0	3	*	43	25	–	*	–
SPAN. PEN.	Corunna																		*	
	Lisbon	29.74	44	NNW	4	3	29.81	+·10	40	39	-5	NNE	3	3	*	50	39	–	*	0·08
	Azores (P. Delgada)	30.27	60	NNE	4	c	30.30	+·04	55	50	-2	NNE	5	3c	2	63	54	–	*	–
	" (Horta) ...	30.36	59	NNW	4	o	30.36	-·03	58	54	-2	NE	5	o	2	63	57	–	*	0·04

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

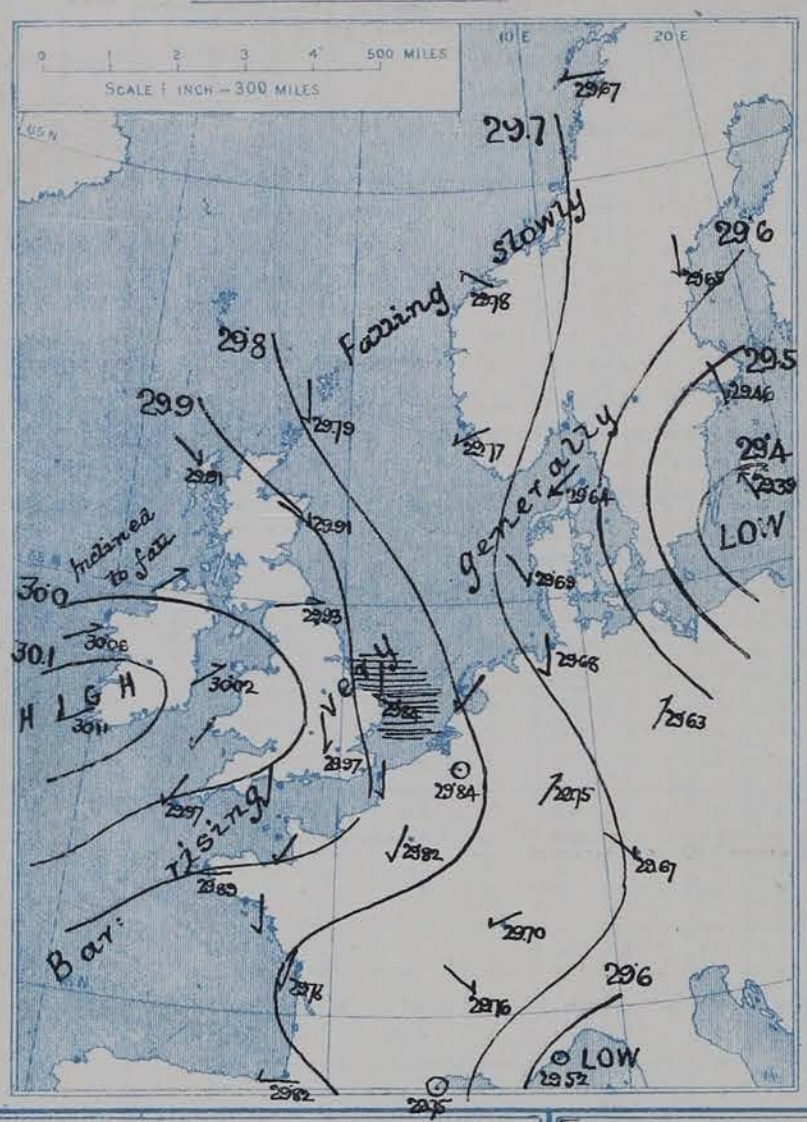
† *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR WEDNESDAY, 2nd DECEMBER. 1903.

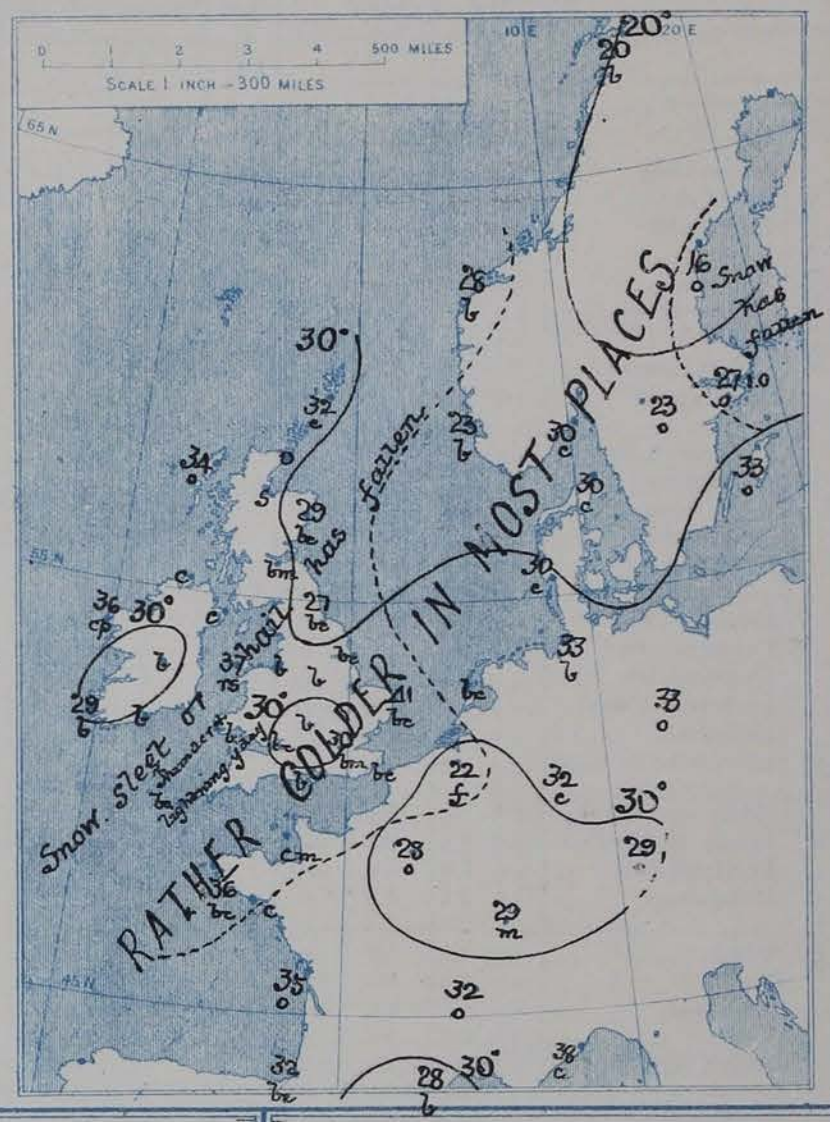
I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.
Force above 10 — *Force 8 to 10* — *Force 5 to 7* — *Force 1 to 4* — Calm ⊙
SEA.—Rough — *High*



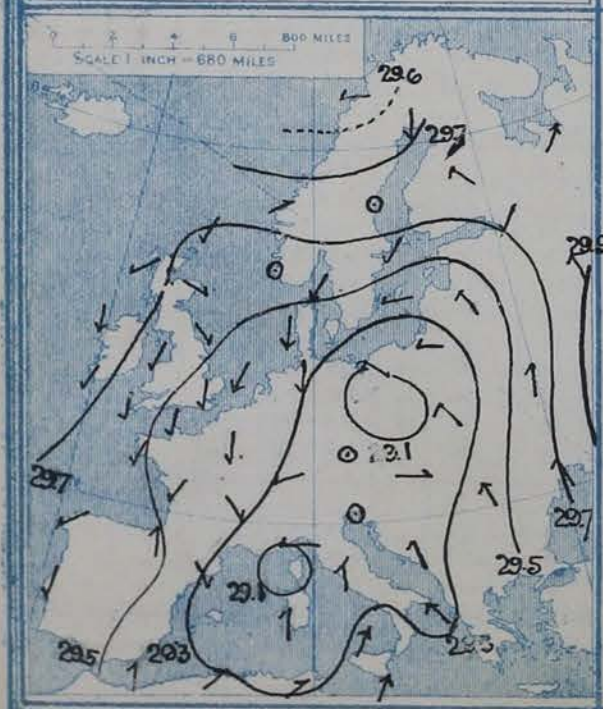
II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale. *(See P. 4.)*
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus - 0·6



III. BAROMETER AND WIND

Yesterday morning.



IV. GREATEST AND LEAST MONTHLY RAINFALL IN DECEMBER

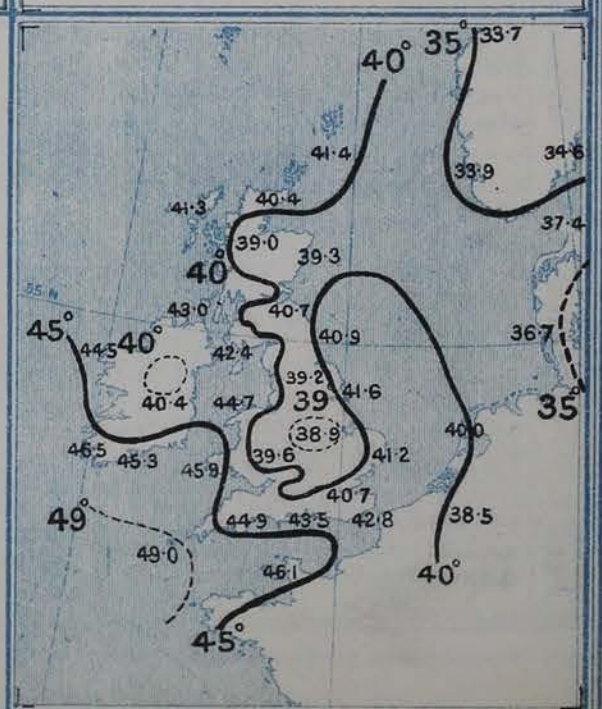
During the 32 Years 1871–1902.

Specimen for LONDON { *Greatest Rainfall* 5·82 (IN 1876) / *Least* ..... *Do.* ..... 0·37 (IN 1873)

V. *Means of* DAILY TEMPERATURE

at 8 A.M. for the Two monthly period

NOVEMBER – DECEMBER (1871–1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

The barometer is now highest, 29·7 ins. and upwards, in the extreme west of these Islands, and in a broad band which stretches from the Atlantic over the more central parts of Scandinavia. The lowest readings, 29·1 ins. and less, are found in a depression which is passing southwards over the Gulf of Genoa. Another disturbance, with readings below 29·2 ins, is forming over north Germany and the Baltic, in which region the barometer is falling. In nearly all other parts of our area a slight rise is in progress.

WIND TEMPERATURE WEATHER AND SEA

The wind is N^ly or NE^ly over western Europe generally,- light or moderate in force in most places but fresh or strong on the Danish coasts. On our own northeast coasts, however, the wind draws into NW. Temperature has risen somewhat over the northern and central parts of the United Kingdom, but remains generally low. Frost prevails at many of our northern and central stations, and also over a considerable portion of the Continent, and is severe in Sweden, the morning temperatures being as low as 5° at Hernösand, 10° at Haparanda and 12° at Karlstad. The only station in western Europe at which the thermometer is as high as 40° is Scilly, with a reading of 43°. Snow and hail showers are falling on our northeast and northwest coasts, and snow is also falling at Stockholm, Christiansund, Brussels and Lyons. At our other stations the weather is at present fair or fine. The sea is moderate or slight generally, but is rather rough at Yarmouth and Blacksod Point and also at Nice.

Snow showers fell yesterday in most parts of the United Kingdom; in many places the quantity was too slight for measurement, but on our east coasts it was considerable,- as much as 0·9 inch at Shields. The duration of bright sunshine was generally small; at many of the English stations there was none. Frost occurred last night over western Europe generally. Lightning was seen at Pembroke, as well as at Biarritz.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no signs of any very decided change. The depression which is forming over the Baltic will probably spread westwards, and occasion strong N^ly and NE^ly winds on our east coasts. Small secondary disturbances are likely to appear over the North Sea, and snow showers are still probable in many parts of Great Britain.

FORECASTS*

For the 24 hours ending at NOON on 2no December, 1903

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NE^ly winds, moderate or fresh; changeable, some snow showers.	6 SCOTLAND WEST	NE^ly winds, light or moderate; fair generally, but snow showers in places.
1 SCOTLAND EAST	NW^ly to N^ly winds, freshening; changeable, some snow showers.	7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W	Same as Nos. 4 & 5.
3 ENGLAND EAST	N^ly and NE^ly winds, increasing in force; squally, some snow showers.	9 IRELAND NORTH	Same as Nos. 6 & 7.
4 MIDLAND COUNTIES	N^ly winds, freshening; cold, changeable, some snow showers.	10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph; see next page.*

1443-327.

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m. Bar. Ins	Temp.	Wind Direct	Wind Force	Weather	This Morning 8 a.m. Barometer. Ins.	Change	Temperature Dry.	Wet.	Change	Wind Direct	Wind Force	Weather.	Sea.	Past 24 Hours. Temperature Max.	Min.	Weather	Sunshine Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	c	*	36	31	csg	0·8	0·04
Bath	29·46	34	NE	3	0	29·54	+·15	31	30	−3	E	1	c	*	36	27	-	0·0	-

REPORTS FOR YESTERDAY.

STATIONS.	Temperature F. Max.	Min.	Weather.	Sunshine Hrs.	Rainfall Ins.	STATIONS.	Temperature F. Max.	Min.	Weather.	Sunshine Hrs.	Rainfall Ins.
Southport, to 9 p.m.... ...	35	27	o, b, c, o, b, c	3·7	-	Broadstairs...	*	*	*	0·0	*
Rhyl, to 6 p.m.	*	*	*	2·8	*	Margate	? 40	*	csp	0·0	*
Llandudno...	*	*	*	1·6	*	Lowestoft, to 6 p.m.... ...	40	32	*	2·0	*
Bettws-y-Coed, to 6 p.m. ...	34	22	bc, os	2·1	*	Skegness	*	*	*	1·5	*
Aberystwyth, to 6 p.m. ...	46	31	bc	4·0	-	Scarborough, to 6 p.m. ...	*3	*	*	1·6	*
Plymouth, to 9 p.m.... ...	40	30	b, bc, b	5·1	-	Harrogate, to 6 p.m. ...	36	26	o, b, o	2·7	0·01
Worthing	*	*	*	2·0	*	Manchester, to 9 p.m. ...	40	29	b, g, bc	0·0	-
Brighton	41	*	*	0·3	*	Darwen, to 9 p.m.					
Eastbourne, to 6 p.m. ...	37	*	*	0·0	*	Birmingham, to 9 p.m. ...	34	29	c, o, c	0·0	-
Hastings	*	*	*	0·3	*						

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 30th Nov. 1903.	Temperature, F. Max.	Min.	Weather.	Rain. Ins.	STATIONS.	Temperature, F. Max.	Min.	Weather.	Rain. Ins.
	Observations not received.								
Copenhagen					Algiers				
Utrecht...					Tunis				
Groningen					Madeira (Funchal)				
Vienna					29th Nov. 1903	1 p.m.		1 p.m.	Measured 7 a.m.
Marseilles					Geneva	Observations	*	not received.	
Florence					Berne		*		
Rome					Coire		*		
Naples					Castasegna		*		
Palermo					Lugano		*		
Malta					Davos		*		

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.‡ (W.E.T.)	6 p.m.
Holland	8 a.m. („ „)	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores: Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores: Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

1st Dec., 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	7.42	11.42	3.43
Greenwich	7.45	11.49	3.54
Wick	8.38	12.1	3.25
Valencia	8.28	12.30	4.32.

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
„ Weekly „ „ „ £1 10 0 „ Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Thursday, 3rd December, **1903.**

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. *W. N. SHAW, Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins.	Barometer. Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Temperature. Change since Yesterday. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Temp. Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.69	1	N	2	b	29.80	+.15	-10	-12	-26	X	0	b	*	18	?	–	*	–
	Hernösand ...	29.80	6	X	0	b	29.84	+.23	3	1	-15	X	0	b	*	?	?3	–	*	–
	Stockholm ...	29.82	23	NW	2	0	29.91	+.45	14	12	-13	X	0	f	*	33	?	–	*	–
	Wisby	29.65	33	N	4	c	29.80	+.41	30	28	-3	E	2	bc	*	36	23	–	*	0.12
	Karlstad	29.85	15	NW	2	b	29.99	+.35	10	10	-13	NW	2	0	*	*	*	–	*	–
	Færder (X'iania Fjord)	29.85	28	NE	4	b	29.84	+.16	26	25	-4	X	0	b	0	32	25	–	*	–
	Bodö	29.66	22	E	4	b	29.52	-.15	26	24	+6	E	4	b	2	26	18	–	*	–
	Christiansund ...	29.73	28	SE	3	b	29.37	-.41	33	29	+5	E	5	c	4	34	27	–	*	–
	Skudesnaes ...	29.84	31	NNE	4	b	29.56	-.21	36	29	+13	SSE	8	0	4	36	21	b	*	*
BRITISH ISLANDS.	Sumburgh Head	29.70	33	W	2	c	29.02	-.77	42	41	+10	WSW	4	r	5	45	?32	c	*	0.32
	Stornoway ...	29.66	39	SW	3	0	29.04	-.87	42	42	+8	WSW	2	0	2	42	30	csp, 0	2.0	0.52
	Malin Head ...	29.85	39	SW	4	0gp	29.26	-.71	47	46	+7	SW	8	rgm	6	48	38	0, 0gp	*	0.15
	Blacksod Pt. ...	29.92	45	WSW	5	0	29.45	-.61	51	51	+15	WSW	8	rgm	6	51	36	cp, 0	*	0.42
	Valencia	30.09	40	SSE	2	c	29.71	-.41	50	49	+21	SSW	6	0m	5	50	27	c	5.3	0.07
	Roche's Point ...	30.12	38	X	0	0	29.80	-.30	47	46	+14	SSW	6	rg	4	47	32	c, 0	*	0.01
	Parsonstown ...	30.05	34	S	2	bc	29.62	-.49	45	44	+24	SW	6	rg	*	47	?21	c, bc	0.4	0.02
	Donaghadee ...	29.96	36	NW	1	bc	?29.51	-.49	43	42	+9	WSW	5	cggp	4	43	33	–	*	0.01
	Liverpool Obsy.	30.03	33	W	3	b	29.73	-.32	42	39	+10	SW	5	0	4	43	32	b	*	–
	Holyhead ...	30.03	42	WSW	1	c	29.70	-.32	46	45	+9	SW	8	r	6	46	35	0m, c	*	0.05
	Pembroke (St. Ann's)	30.09	42	WNW	2	bc	29.85	-.20	47	44	+14	WSW	7	0gp	6	48	33	–	3.6	0.03
	Scilly (St. Mary's)...	30.13	42	NNE	1	bc	30.02	+.05	44	40	+5	WSW	5	c	3	45	36	b, bc	6.2	–
	Jersey (St. Aubins)...	30.13	40	ESE	3	bm	30.19	+.30	40	37	-1	SW	3	bcm	3	44	29	rhp, b	3.4	0.03
	Portland Bill ...	30.12	34	N	1	b	?30.05	+.11	45	40	+13	WSW	4	c	3	45	31	bm, b	*	–
	Dungeness ...	30.06	30	N	1	bc	30.07	+.17	40	37	+8	W	3	c	2	40	23	bc, f	5.1	0.01
	Wick	29.67	36	SW	3	c	29.00	-.82	41	40	+8	SW	2	r	2	41	30	–	*	0.50
	Nairn	29.77	31	SW	1	c	29.09	-.82	44	43	+13	W	3	r	2	44	30	–	*	0.09
	Aberdeen ...	29.83	26	WSW	2	b	29.22	-.69	39	37	+10	SSW	6	0gm	2	39	23	bm, b, r	0.4	0.14
	Leith	29.86	35	WSW	1	c	29.34	-.59	44	41	+14	SW	4	0	*	44	29	sp, c	*	0.05
	North Shields ...	29.92	35	W	2	cm	29.54	-.39	39	38	+12	SW	2	0	2	40	27	c, cm	*	–
	Spurn Head ...	29.70	35	W	4	m	29.79	-.10	36	35	+4	SSW	6	c	3	39	30	–	*	–
	Yarmouth ...	29.97	35	WNW	4	b	29.96	+.12	32	32	-9	WSW	4	bm	3	43	28	bc, b	*	–
	Nottingham ...	30.03	32	W	1	b	29.87	-.12	36	34	+3	SW	3	0	*	39	27	c, b	0.8	–
	Oxford	30.12	30	N	3	b	29.99	-.01	37	34	+9	SW	4	0	*	39	28	bm, b	*	–
	London (Brixton)...	30.08	31	NW	1	bm	30.04	+.10	33	32	+3	SW	1	cm	*	38	22	bm, bf	0.0	–
GERMANY, &c.	The Scaw (Skagen)	29.87	30	NE	1	bc	29.89	+.25	30	30	0	SW	3	b	1	30	25	–	*	–
	Fanö	29.89	27	X	0	b	29.91	+.22	28	27	-2	X	0	bc	*	34	25	–	*	–
	Cuxhaven ...	29.89	30	NW	1	b	30.00	+.32	28	27	-3	SW	1	bc	*	31	23	–	*	–
	The Helder ...	29.94	40	NW	2	c	29.98	+.20	41	37	+2	WSW	3	c	2	43	36	–	*	0.12
	Brussels	*	*	*	*	*	30.18	+.34	26	26	+4	SSE	1	f	*	35	21	–	*	–
	Berlin	29.88	33	W	3	r	30.12	+.49	25	24	-8	SW	2	b	*	33	23	–	*	–
	Frankfürt ...	30.06	31	N	2	b	30.23	+.48	25	24	-7	E	1	b	*	36	25	–	*	0.04
	Munich	29.95	29	E	3	0	30.15	+.48	28	28	-1	E	2	0	*	32	27	–	*	–
FRANCE.	C. Gris Nez ...	29.62	?35	E	2	0	30.08	+.27	35	33	0	SSW	3	0	2	41	?34	–	*	0.04
	Brest	30.11	39	E	1	b	30.17	+.28	43	40	+7	E	3	b	3	45	34	–	*	–
	Lorient	30.07	40	NE	4	b	30.22	+.36	36	36	-2	SE	2	b	2	43	34	–	*	–
	Rochefort ...	30.01	37	NE	3	0	30.18	+.40	32	31	-3	E	3	b	*	39	30	c, 0	*	–
	Biarritz	30.01	35	E	2	0	30.23	+.41	30	29	-2	X	0	b	2	41	28	–	*	–
	Paris	30.04	30	NNE	1	b	30.21	+.39	24	24	-4	NNE	1	f	*	35	22	–	*	–
	Belfort	29.93	31	ENE	3	m	30.15	+.45	?	27	?	ENE	4	m	*	33	28	–	*	–
	Lyons	29.98	33	NW	2	s	30.20	+.44	30	30	-2	N	1	0	*	33	29	–	*	0.20
	Nice	29.84	39	SW	1	b	30.04	+.52	32	28	-6	ENE	3	bc	2	50	32	–	*	–
	Perpignan ...	29.97	37	NW	3	0	30.14	+.39	31	28	+3	X	0	b	*	44	28	–	*	–
SPAIN & PORTUGAL.	Corunna																		*	
	Lisbon														*				*	
	Azores (P. Delgada)																		*	
	" (Horta) ...	30.48	56	NE	4	0	30.53	+.17	52	50	-6	NW	2	b	2	61	50	–	*	–

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

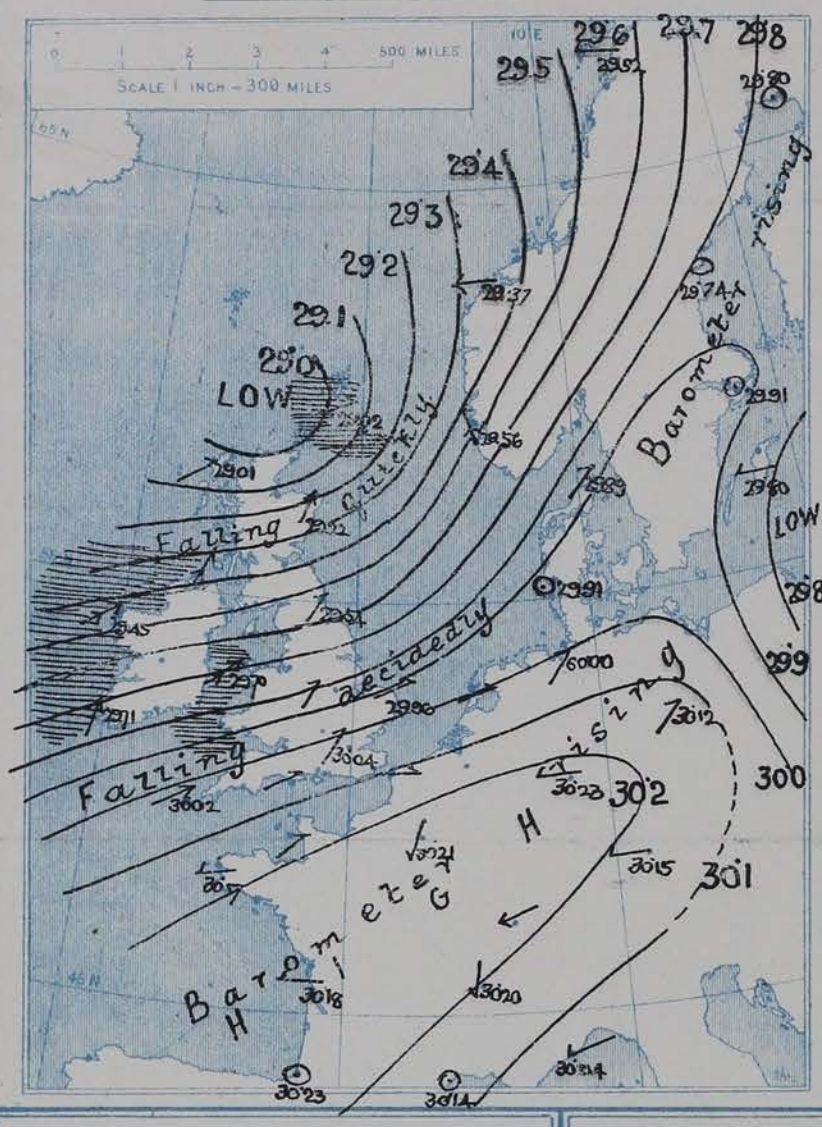
† *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR Thursday, 3rd December, 1903.

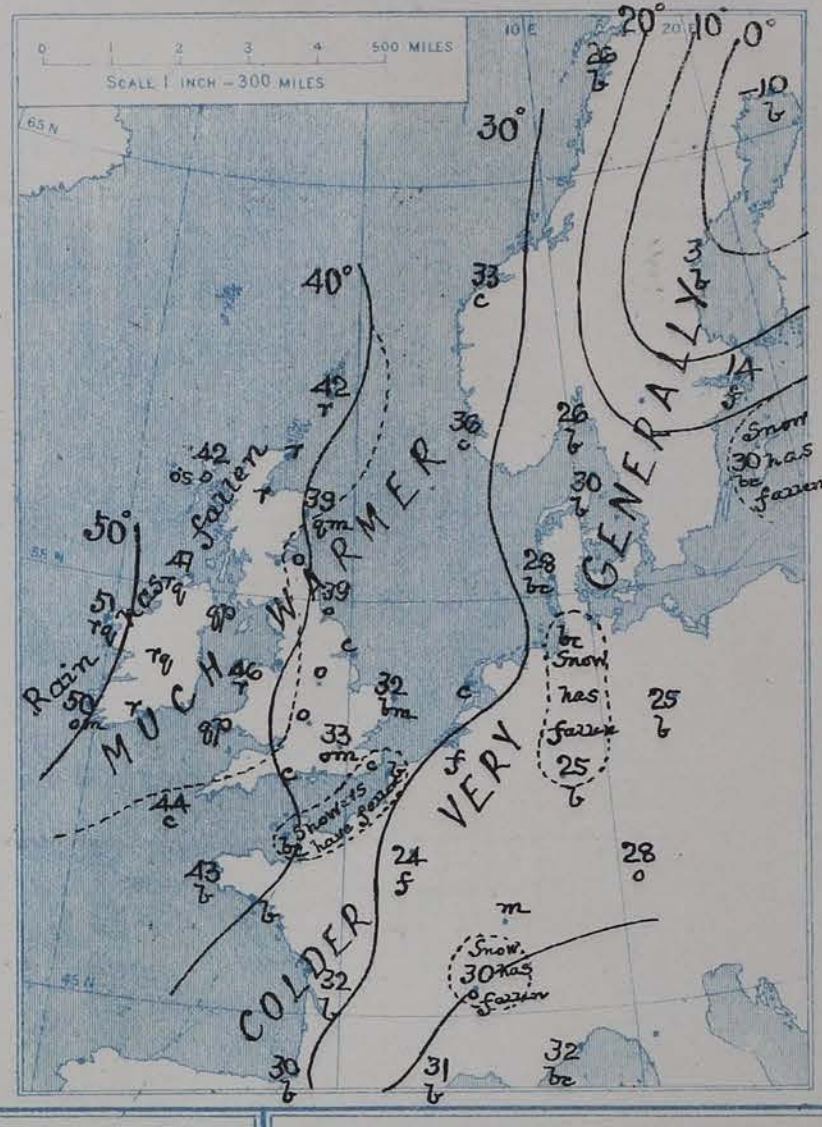
I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.
Force above 10 ↠ : *Force 5 to 7* ⟶ : } Calm ⊙
Force 8 to 10 ↠ : *Force 1 to 4* ⟶ }
SEA.—Rough *High*



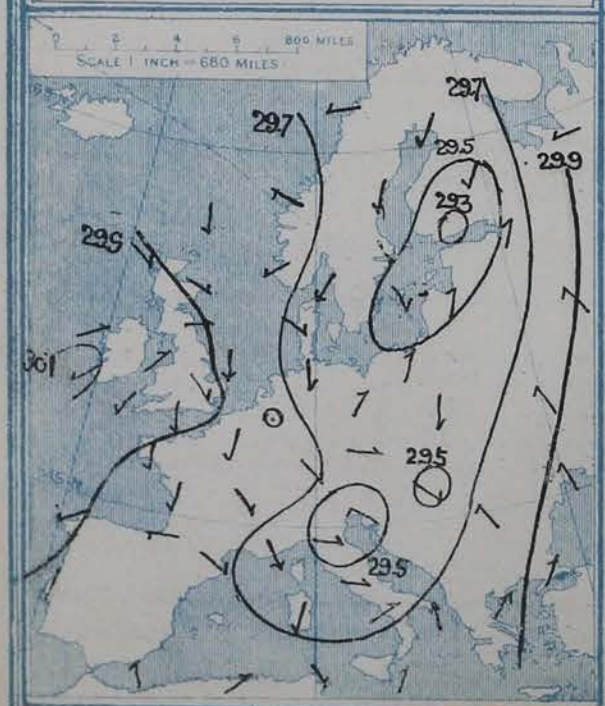
II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°
WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus – 0·6



III. BAROMETER AND WIND

Yesterday morning.



IV. GREATEST AND LEAST MONTHLY RAINFALL IN DECEMBER

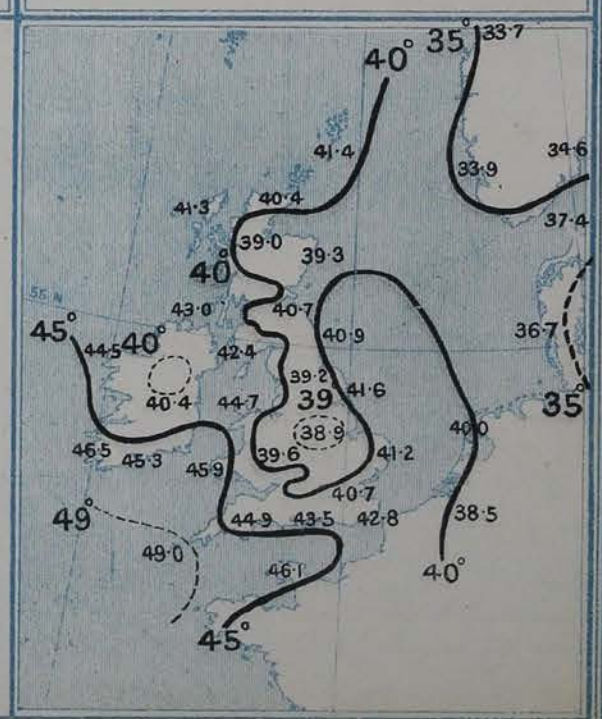
During the 32 Years 1871–1902.

Specimen for LONDON { *Greatest Rainfall* 5·82 (IN 1876) / *Least* ..... *Do.* ..... 0·37 (IN 1873)

V. *Means of* DAILY TEMPERATURE

at 8 A.M. for the Two monthly period

NOVEMBER – DECEMBER (1871–1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

The barometer is rising over the greater part of western Europe, and an anticyclone is now shown over these Islands, the highest pressures, 30·1 ins. and upwards, being reported over the south of Ireland. On our extreme north and northwest coasts, however, the barometer now shows a tendency to fall. The lowest pressures, 29·4 ins. and less, are found in a cyclonic system over the Baltic, but the barometer is rising in its vicinity. Over the northern parts of Scandinavia the mercury is falling.

WIND TEMPERATURE WEATHER AND SEA

The wind is light or moderate in force generally,– from the SW^wd at some of our northwestern stations and from the W^wd over the northern parts of Great Britain, but from the N^wd or NE^wd over France and the southern portions of the United Kingdom. In the west of Norway it is E^ly, and in Sweden and Denmark N^ly. Temperature has fallen in most places, and is below the freezing point over by far the greater part of western Europe. In our Islands the lowest morning readings reported are 21° at Parsonstown, 27° at Bath and 28° at Oxford; on the Continent the lowest values are 16° at Hernösand, 20° at Bodö and 22° at Brussels. The highest temperatures reported in any part of our area are 41° at Yarmouth and Jersey, and 40° at Malin Head. The weather is fair or fine over western Europe as a whole, but is dull in the north of Scotland (with snow at Nairn) and also over Sweden, Germany and central France. Showers are falling at Holyhead and Blacksod Point. The sea is slight or smooth generally, but rather rough at Yarmouth.

Showers of snow, sleet or hail fell yesterday in nearly all parts of the United Kingdom. A large waterspout was seen off Scilly yesterday morning; thunder and lightning occurred there in the afternoon, and lightning was seen at Pembroke during the night. The duration of bright sunshine was generally small, but amounted to 6·5 hrs. at Aberystwyth and 6·0 hrs. at Southport. Sharp frost occurred during the night, the lowest temperatures reported being:– (1) in the screen, 19° at Parsonstown, and 25° at Wick, Nairn and Aberdeen; (2) on the grass, 18° at Oxford and 23° in London.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The changes in pressure and wind on our extreme north and northwest coasts seem to indicate the advance of a cyclonic disturbance from the NW^wd. Further falls of snow are likely to occur today over the northern parts of the Kingdom, and it is not improbable that in the course of tomorrow the unsettled weather will extend to our southern stations. Temperature is likely to remain low for the present.

FORECASTS*

For the 24 hours ending at NOON on 3rd December, 1903

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	Wind backing to the S^wd or SE^wd; dull, unsettled, some snow.
1 SCOTLAND EAST	W^ly to SW^ly or S^ly winds, light; fair at first, some snow later.
2 ENGLAND N.E.	
3 ENGLAND EAST	NW^ly to W^ly winds, light; fine today, some fog at night, less settled tomorrow, probably some snow.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	SW^ly and W^ly winds, freshening; fair at first, some snow later.
7 ENGLAND N.W.	
8 ENGLAND S.W	NE^ly to variable or W^ly breezes; fair at first, some snow later.
9 IRELAND NORTH	Same as Nos. 6 & 7.
10 IRELAND SOUTH	Same as No. 8.
WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph; see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.					This Morning 8 a.m.									Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind Direc^n	Wind Force	Weather.	Barometer. Ins.	Barometer. Change	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direc^n	Wind Force	Weather.	Sea.	Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	b	*	36	30	cgs	0·5	–
Bath	29.69	36	N	1	0	30·00	+ ·46	27	26	– 4	NW	1	bc	*	36	26	–	2·9	–

REPORTS FOR YESTERDAY.

STATIONS.	Temperture F. Max.	Temperture F. Min.	Weather.	Sunshine Hrs.	Rainfall. Ins.	STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine Hrs.	Rainfall. Ins.
Southport, to 9 p.m.... ...	36	29	c, b	6·0	–	Broadstairs...	*	*	*	0·0	*
Rhyl, to 6 p.m.	*	*	*	3·1	*	Margate	40	33	s, h, c	0·2	0·27
Llandudno...	*	*	*	1·9	*	Lowestoft, to 6 p.m.... ...	40	34	c, gs, ph	0·0	0·05
Bettws-y-Coed, to 6 p.m. ...	37	30	bc	1·3	*	Skegness	*	*	*	1·7	*
Aberystwyth, to 6 p.m. ...	40	35	bc	6·5	–	Scarborough, to 6 p.m. ...	41	*	*	0·0	*
Plymouth, to 9 p.m.... ...	39	30	b, bc, b	4·9	–	Harrogate, to 6 p.m. ...	34	31	s, o, bc	1·3	0·13
Worthing	*	*	*	1·0	*	Manchester, to 9 p.m. ...	39	31	og, b	0·0	0·01
Brighton	37	*	*	0·0	*	Darwen, to 9 p.m.	34	26	os, c, om, bm	0·0	–
Eastbourne, to 6 p.m. ...	37	*	*	0·0	*	Birmingham, to 9 p.m. ...	34	28	o, b	0·0	–
Hastings	*	*	*	0·2	*						

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 1st Decr 1903.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	STATIONS.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.
Copenhagen	34	25	s, o	0·43	Algiers	57	48	r, r	2·76
Utrecht...	32	30	c, o	–	Tunis	Not	recd		
Groningen	34	30	o, s	–	Madeira (Funchal)	Not	recd		
Vienna	48	36	o, o	0·35	30th Novr 1903.	1 p.m.		1 p.m.	Measured 7 a.m.
Marseilles	52	36	o, o	0·20	Geneva	36	*	o	–
Florence	49	37	c, r	0·24	Berne	34	*	o	0·12
Rome	55	48	o, r	1·26	Coire	34	*	b	–
Naples	59	49	r, tlr	0·67	Castasegna	36	*	o	0·16
Palermo	67	62	o, o	0·08	Lugano	39	*	o	0·08
Malta	67	62	o	–	Davos	23	*	b	0·04

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.‡ (W.E.T.)	6 p.m.
Holland	8 a.m. („ „)	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m
Azores { Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

2nd Decr 1903.	Sunrise G.M.T.	Noon G.M.T	Sunset G.M.T.
Yarmouth	7.43	11.42	3.42
Greenwich	7.46	11.49	3.53
Wick	8.39	12.1	3.24
Valencia	8.29	12.30	4.32

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
„ Weekly „ „ „ £1 10 0 „ Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Friday, 4th December, **1903.**

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. **W. N. SHAW.** *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins.	Barometer. Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Temperature. Change since Yesterday. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Temp. Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.80	3	N	2	o	29.71	-.09	27	25	+37	W	4	o	*	?	-17	-	*	-
	Hernösand ...	29.69	23	SW	4	s	29.60	-.24	33	32	+30	SW	8	o	*	?	1	-	*	-
	Stockholm ...	29.90	28	✕	0	o	29.81	-.10	36	33	+22	S	4	o	*	?	12	-	*	-
	Wisby	29.90	29	✕	0	b	29.86	+.06	38	34	+8	S	4	o	*	38	28	-	*	-
	Karlstad	29.68	36	SW	8	o	29.60	-.39	36	34	+26	SSW	8	r	*	*	*	-	*	-
	Færder (X'iania Fjord)	29.49	40	S	7	o	29.39	-.45	40	38	+14	SSW	9	o	5	41	26	-	*	0.04
	Bodö	29.21	25	E	6	b	29.20	-.32	23	?	-3	E	6	c	3	28	19	-	*	-
	Christiansund ...	28.96	40	SW	3	c	29.00	-.37	42	37	+9	S	2	o	3	43	32	-	*	-
	Skudesnaes ...	29.18	44	S	8	r	29.09	-.47	43	41	+7	SSW	6	o	6	45	36	r	*	*
BRITISH ISLANDS.	Sumburgh Head	28.93	41	W	4	c	28.85	-.17	40	38	-2	SW	3	c	5	43	38	c	*	0.23
	Stornoway ...	29.07	44	WSW	4	r	28.93	-.11	35	35	-7	WSW	3	o	3	44	34	p,c,r	0.7	0.17
	Malin Head ...	29.24	44	NW	6	cgp	29.11	-.15	39	38	-8	SW	7	chg	6	47	38	c,cgp	*	0.39
	Blacksod Pt. ...	29.40	46	WNW	6	c	29.28	-.17	42	39	-9	WNW	6	cghp	5	51	38	c	*	0.32
	Valencia	29.59	48	W	6	cp	29.49	-.22	44	39	-6	W	6	cp	6	53	40	rm,cp	0.0	0.39
	Roche's Point ...	29.55	49	NW	3	bm	29.48	-.32	40	38	-7	W	3	b	2	51	39	r,bm	*	0.12
	Parsonstown ...	29.47	44	W	2	r	29.40	-.22	35	34	-10	S	2	cp	*	50	33	r,o,r	0.0	0.35
	Donaghadee ...	29.33	46	W	3	cd	29.24	-.27	36	36	-7	W	2	cg	2	48	32	-	*	0.09
	Liverpool Obsy.	29.42	46	SSW	5	o	29.32	-.41	39	37	-3	WSW	5	bc	4	47	39	op	*	0.24
	Holyhead ...	29.36	50	WSW	8	rggm	29.33	-.37	42	39	-4	W	7	c	5	50	34	rggm	*	0.93
	Pembroke (St. Ann's)	29.49	49	SSW	8	o	29.45	-.40	46	42	-1	WNW	6	cgp	6	52	45	o,gp	0.0	0.29
	Scilly (St. Mary's)...	29.69	46	SSW	8	r	29.56	-.46	47	45	+3	WNW	5	op	5	51	40	o,r	0.0	0.38
	Jersey (St. Aubins)...	30.02	42	SSW	5	og	29.61	-.58	48	47	+8	W	4	op	3	48	40	bpg,r	5.0	0.23
	Portland Bill ...	29.79	47	WSW	6	cg	29.49	-.56	46	44	+1	WNW	6	cp	4	50	44	c,cg	*	0.35
	Dungeness ...	29.88	44	WSW	6	cg	29.49	-.58	46	46	+6	SW	7	r	5	46	40	c,cg	0.0	0.10
	Wick	29.05	39	SW	3	bc	28.89	-.11	35	33	-6	W	3	bc	1	45	33	-	*	0.02
	Nairn	30.10	39	W	1	o	28.99	-.10	33	32	-11	S	1	bc	1	46	32	-	*	0.10
	Aberdeen ...	29.18	38	SW	3	bc	29.03	-.19	35	33	-4	SSW	3	bm	2	44	33	cmgp,bc	0.6	-
	Leith	29.22	44	SW	2	c	29.09	-.25	37	36	-7	WSW	3	bcp	*	48	35	-	*	0.20
	North Shields ...	29.28	45	SW	3	r	29.19	-.35	39	38	0	SW	2	cm	2	45	38	r	*	0.18
GERMANY, &c.	Spurn Head ...	29.49	38	SSW	8	o	29.31	-.48	42	41	+6	WSW	4	c	3	42	?36	-		0.1[illegible]
	Yarmouth ...	29.75	40	SW	6	rg	29.40	-.56	41	40	+9	SW	4	cgm	5	41	31	c,rg	*	0.[illegible]
	Nottingham ...	29.56	42	SW	6	r	29.35	-.52	40	39	+4	SW	2	c	*	45	33	o,r	0.0	0.07
	Oxford														*				*	
	London (Brixton)...	29.79	42	WSW	6	o	29.46	-.58	44	43	+11	SW	2	om	*	44	33	o,rs,rg	0.0	0.12
	The Scaw (Skagen)	29.58	37	E	7	r	29.51	-.38	35	33	+5	SSW	7	r	2	37	28	-	*	0.12
	Fanö	29.69	39	S	9	r	29.60	-.31	35	33	+7	S	9	s	*	41	28	-	*	0.20
	Cuxhaven ...	29.93	32	SSW	5	o	29.73	-.27	30	28	+2	S	5	o	*	34	28	-	*	-
	The Helder ...	29.80	42	SW	7	o	29.51	-.47	32	32	-9	SSW	5	s	3	43	32	-	*	0.04
	Brussels	*	*	*	*	*	29.72	-.46	29	27	+3	SSW	6	o	*	45	26	-	*	-
	Berlin	30.17	27	SW	1	o	30.03	-.09	23	22	-2	SE	2	b	*	34	21	-	*	-
	Frankfürt ...	30.17	24	NW	1	c	30.00	-.23	24	24	-1	S	3	f	*	32	24	-	*	-
	Munich	30.15	21	✕	0	f	29.97	-.18	19	19	-9	SE	2	f	*	30	16	-	*	-
FRANCE.	C. Gris Nez ...	29.91	41	SW	6	o	29.54	-.54	?	40	?	SSW	6	r	6	45	35	-	*	0.24
	Brest	29.95	49	SW	5	o	29.66	-.51	50	47	+7	W	4	o	4	50	43	-	*	0.12
	Lorient	30.05	45	SW	4	o	29.69	-.53	50	49	+14	NW	4	o	4	50	36	-	*	0.47
	Rochefort ...	30.16	32	✕	0	b	29.88	-.30	38	37	+6	S	4	r	*	43	32	b	*	-
	Biarritz	30.22	36	✕	0	b	30.06	-.17	42	38	+12	SSW	3	o	2	39	30	-	*	-
	Paris	30.15	26	SSE	2	f	29.85	-.36	28	28	+4	S	3	o	*	28	23	-	*	-
	Belfort	30.13	28	ENE	3	m	29.98	-.17	25	24	?	ENE	2	m	*	32	25	-	*	-
	Lyons	30.17	32	N	1	o	30.04	-.16	29	27	-1	WNW	1	o	*	35	29	-	*	-
	Nice	29.94	41	ENE	3	c	29.76	-.28	41	32	+9	NE	3	o	2	46	32	-	*	-
	Perpignan ...														*				*	
SPAN. PEN.	Corunna																		*	
	Lisbon														*				*	
	Azores (P. Delgada)																		*	
	" (Horta) ...	30.54	57	NW	1	o	30.54	+.01	56	54	+4	✕	0	bc	1	61	52	-	*	-

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

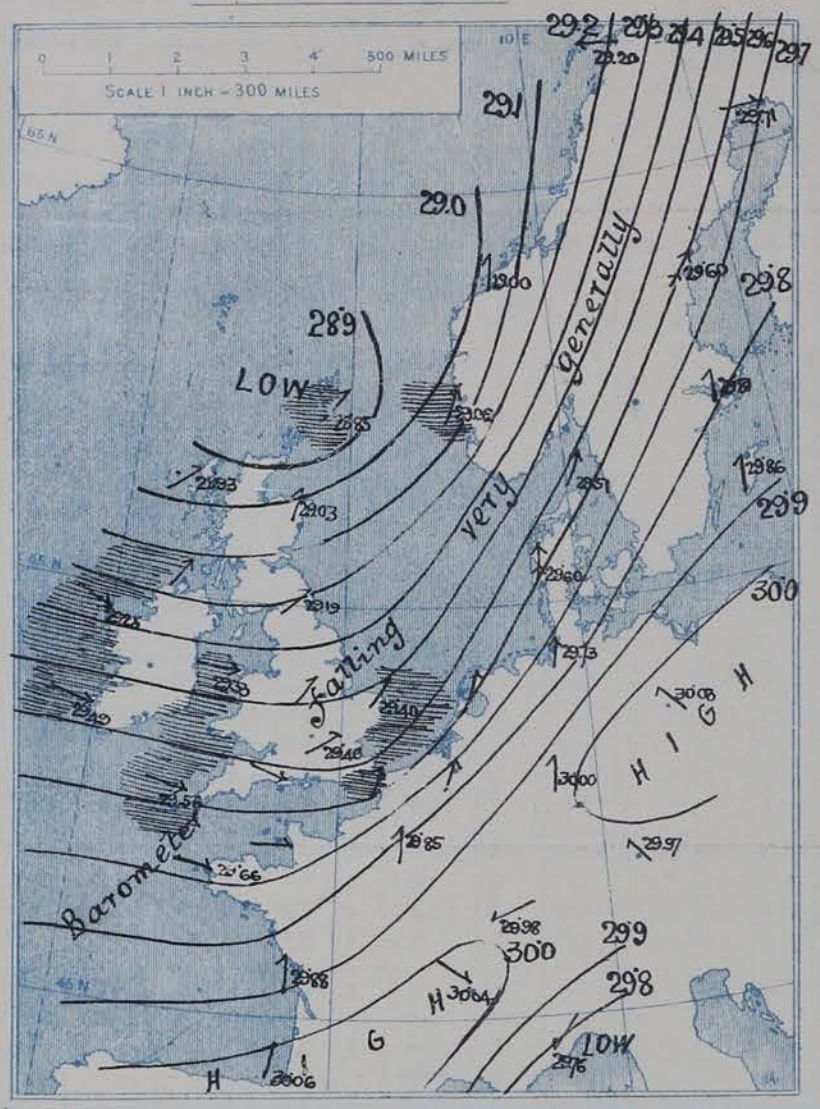
* *Observations for this column not generally received.* † *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR FRIDAY, 4TH. DECEMBER, 1903.

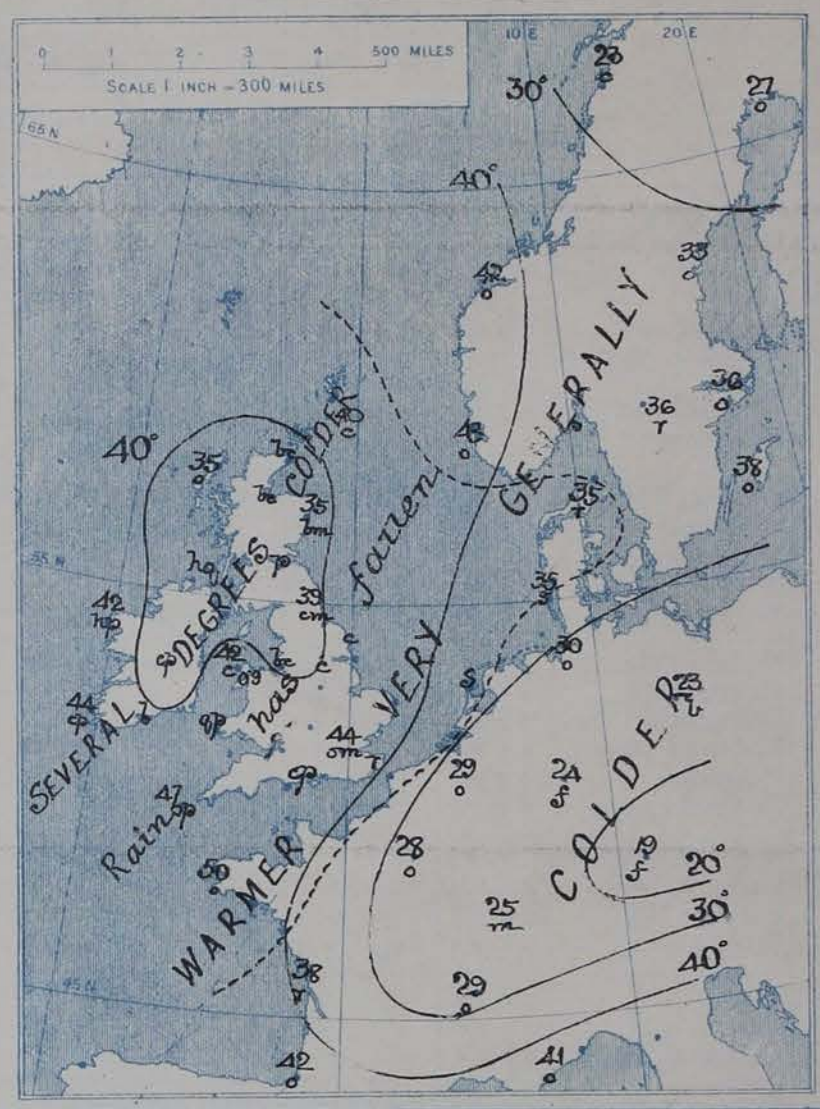
I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.
Force above 10 ⟶⟶ ; *Force 5 to 7* ⟶ ; *Force 8 to 10* ⟶ ; *Force 1 to 4* ⟶ ; } Calm ⊙
SEA.—Rough ▒ *High* ▓



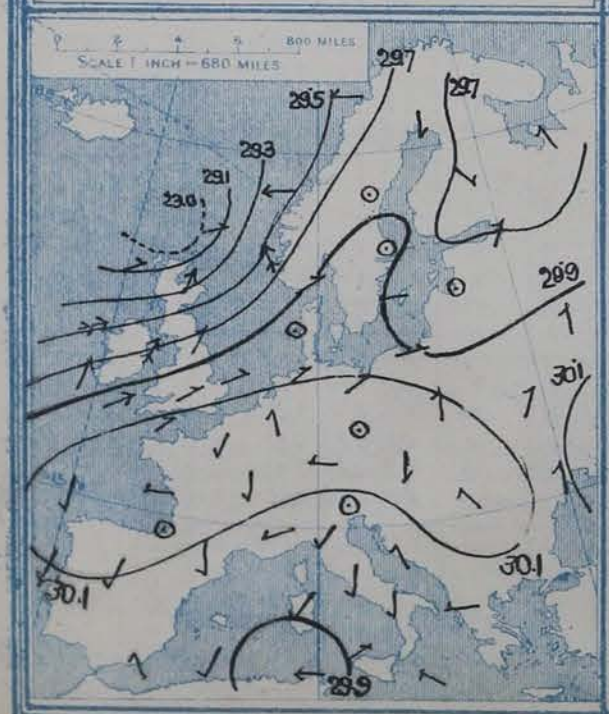
II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°
WEATHER.—Shown by Letters of the Beaufort Scale. *(See P. 4.)*
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus - 0·6



III. BAROMETER AND WIND

Yesterday morning.



IV. GREATEST AND LEAST MONTHLY RAINFALL IN DECEMBER

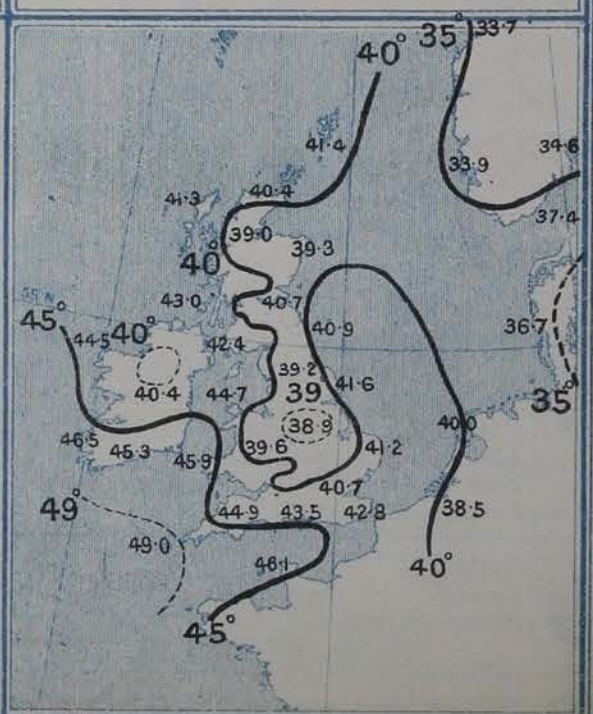
During the 32 Years 1871–1902.

Specimen for LONDON { *Greatest Rainfall* 5·82 (IN 1876) / *Least* ..... *Do.* ..... 0·37 (IN 1873)

V. *Means of* DAILY TEMPERATURE

at 8 A.M. for the Two monthly period

NOVEMBER – DECEMBER (1871 – 1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

A depression of considerable size and intensity is spreading over our Islands rapidly from the northward, the centre of the disturbance, with readings below 29.0 ins. being situated off the north of Scotland. The barometer is consequently falling over the whole of the United Kingdom and also in the west of Norway,- very quickly in the north. The gradients over the northern parts of our Islands and the North Sea are already steep, and in the south they are increasing steadily. The highest pressures, 30.2 ins. and upwards, are at present found over France and south Germany.

WIND

Under the influence of the northern disturbance the wind has backed to the SW^ly over the whole of the United Kingdom and the adjacent parts of the Continent, and on our northwest coasts it has already increased to a gale, strong winds being reported in the west generally.

TEMPERATURE

The SW^ly current is occasioning a rapid rise of temperature, the readings on our western coasts being mostly above 45° and in the west of Ireland slightly above 50°. At Valencia the reading is 21° higher, and at Parsonstown 24° higher than at the same hour yesterday.

WEATHER AND SEA

Rain is falling at many of our western and northern stations, and a rough sea is reported on our western coasts. In the east and southeast of England the weather is at present fair, with temperatures at or about the freezing point. Fair weather is reported also from most of the Continental stations, with sharp frost over Belgium, France and Germany, and severe frost in Sweden; at Hernösand the thermometer stands at 3° Faht., while at Haparanda it is 10° below zero.

Considerable amounts of bright sunshine were recorded yesterday at some of the English and Irish stations,- as much as 6.0 hrs. at Hastings and 6.2 hrs. at Scilly and Clacton-on-Sea. Sharp frost occurred last night in the south and east of England, the thermometer in the screen falling to 21° at Bath, 22° in London and 23° at Dungeness. On the grass it went as low as 15° at Oxford and 20° in London. Rain was measured this morning at nearly all our western and northern stations, the amount being as large as 0.5in. at Tornoway and Wick.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The disturbance in the north will probably move in an E^ly or ESE^ly direction, and gales from SW, veering to W or NW, are anticipated over the United Kingdom generally, with squally, rainy weather. Temperature is likely to rise rapidly today, but will probably fall somewhat tomorrow,- especially in the west.

FORECASTS※

For the 24 hours ending at NOON on 4th December, 1903

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	SW^ly to NW^ly winds, increasing to a gale, squally with rain, followed by hail or sleet.	6 SCOTLAND WEST	Same as Nos. 0 & 1.
2 ENGLAND N.E. 3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	SW^ly to W^ly winds, increasing to a gale, with squally, rainy weather. Temperature rising rapidly today, but falling again tomorrow.	7 ENGLAND N.W. 8 ENGLAND S.W 9 IRELAND NORTH 10 IRELAND SOUTH	SW^ly to W^ly or NW^ly gales and strong winds; mild, squally and rainy today, wolet tomorrow with hail or sleet.
		WARNINGS	at 8.50 p.m. yesterday to districts 6, 7, 9 and part of 0, and at 9.30 a.m today to districts 1 to 3, 5, 8, 10 and the remainder of 0. "Hoist South Cone"

Note – The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

※ *For terms for transmission of Forecasts by Telegraph; see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.					This Morning 8 a.m.									Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind Direct.	Wind Force	Weather	Barometer. Ins.	Barometer. Change	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direct.	Wind Force	Weather.	Sea.	Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	3c	*	38	27	3	6.2	–
Bath	30.10	27	E	1	0	29.99	–.01	39	35	+12	SW	5	3c	*	39	21	–	1.5	–

REPORTS FOR YESTERDAY.

STATIONS.	Temperture F. Max.	Temperture F. Min.	Weather.	Sunshine Hrs.	Rainfall. Ins.	STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine Hrs.	Rainfall. Ins.
	°	°					°	°			
Southport, to 9 p.m.... ...	41	24	3, o, op	0.0	0.05	Broadstairs...	*	*	*		*
Rhyl, to 6 p.m.	*	*	*	1.0	*	Margate	42	31	3	2.5	0.26
Llandudno...	*	*	*	0.4	*	Lowestoft, to 6 p.m.... ...	44	29	3c, 3	4.5	–
Bettws-y-Coed, to 6 p.m. ...	37	22	c, 3c	1.5	*	Skegness	*	*	*	5.9	*
Aberystwyth, to 6 p.m. ...	39	27	c	5.0	–	Scarborough, to 6 p.m. ...	42	*	*	3.4	*
Plymouth, to 9 p.m.... ...	40	29	3, 3c	5.5	–	Harrogate, to 6 p.m. ...	37	26	3c, 3	5.0	0.02
Worthing	*	*	*	5.6	*	Manchester, to 9 p.m. ...	37	22	o m, 3c	0.0	–
Brighton	39	*	*	2.5	*	Darwen, to 9 p.m.	37	24	m, 3c, o m, s	1.6	0.04
Eastbourne, to 6 p.m. ...	40	*	*	5.0	*	Birmingham, to 9 p.m. ...	37	28	3, f, o, 3	0.0	–
Hastings	*	*	*	6.0	*						

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 2nd Decr. 1903.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	STATIONS.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.
Copenhagen	?	?	o, m	–	Algiers	54	45	c, c	0.35
Utrecht...	37	30	o, 3c	0.04	Tunis	64	43	o, c	–
Groningen	34	30	s, o	0.16	Madeira (Funchal)	Not	recd		
Vienna	45	34	o, s	0.12	Obsts Not recd	1 p.m.		1 p.m.	Measured 7 a.m.
Marseilles	45	32	c, c	–	Geneva		*		
Florence	46	41	o, r	0.99	Berne		*		
Rome	58	50	r, r	1.02	Coire		*		
Naples	61	54	o, o	0.04	Castasegna		*		
Palermo	Not	recd			Lugano		*		
Malta	68	53	o	–	Davos		*		

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.‡ (W.E.T.)	6 p.m.
Holland	8 a.m. („ „)	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores { Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

3rd Decr., 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	7.45	11.43	3.41
Greenwich	7.48	11.50	3.52
Wick	8.41	12.2	3.23
Valencia	8.31	12.31	4.31

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
„ Weekly „ „ „ £1 10 0 „ Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 5th December, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins.	Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Wet Bulb. °	Change since Yesterday. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Temp. Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda † ...	29.73	33	SW	6	0	29.91	+.20	32	23	+5	SW	6	7	*	34	3	–	*	0.04
	Hernösand † ...	29.74	34	S	6	0	29.78	+.18	36	33	+3	S	4	0	*	36	14	–	*	–
	Stockholm † ...	30.02	33	S	4	c	29.74	–.07	35	34	–1	ESE	2	r	*	37	25	–	*	–
	Wisby †	29.84	34	WSW	2	c	29.62	–.24	35	34	–3	N	0	r	*	39	28	–	*	–
	Karlstad †.. ...	29.69	34	SW	6	0	29.59	–.01	34	32	–2	SE	4	0	*	*	*	–	*	–
	Færder (X'tania Fjord)																		*	
	Bodö ...	29.26	38	S	4	7	29.34	+.14	38	33	+15	S	4	0	2	37	?23	–	*	–
	Christiansund ...	29.08	39	S	4	c	29.25	+.25	40	33	–2	SE	3	7	3	42	36	–	*	–
	Skudesnaes ...	29.17	42	SSW	6	c	29.24	+.15	41	39	–2	S	6	c	5	45	39	0, c	*	*
BRITISH ISLANDS.	Sumburgh Head	28.90	38	SSW	2	0	29.02	+.17	38	36	–2	SW	1	c	4	41	37	7c, 0	*	0.10
	Stornoway ...	28.98	36	W	3	c	29.01	+.08	35	34	0	WNW	3	0	3	40	31	0 r s p, c	0.0	0.13
	Malin Head ...	29.13	42	W	6	7cgp	29.06	–.05	35	33	–4	SW	3	7c	3	43	34	7c, gp	*	0.16
	Blacksod Pt. ...	29.25	38	WNW	4	ohp	29.12	–.16	38	36	–4	WNW	4	r	4	42	36	cp, hp, 7	*	0.24
	Valencia	29.38	44	WSW	5	7cp	29.20	–.29	43	39	–1	W	4	7cp	5	46	38	hg p, 7	2.5	0.18
	Roche's Point ...	29.39	41	WNW	2	7p	29.21	–.27	35	34	–5	NW	3	7	1	49	30	7c, 7p	*	0.01
	Parsonstown ...	29.33	36	W	3	7c	29.17	–.23	32	31	–3	S	2	0	*	39	30	p, 7c	0.0	0.07
	Donaghadee ...	29.20	38	W	3	7c	29.14	–.10	33	32	–3	W	2	c	2	40	32	7c, f	*	–
	Liverpool Obsy.	29.30	39	WSW	2	c	29.19	–.13	32	31	–7	S	1	7	?	43	31	7c, cp	*	0.29
	Holyhead ...	29.28	42	WSW	5	chp	29.15	–.18	38	37	–4	S	1	chp	1	45	35	c, chp	*	0.29
	Pembroke (St. Ann's)	29.37	46	W	6	c	29.18	–.27	40	38	–6	NW	3	cg	4	46	39	c, rhp	3.3	0.03
	Scilly (St. Mary's)...	29.49	46	WNW	4	cp	29.24	–.32	45	43	–2	WNW	4	cg	5	50	42	cp	1.4	0.12
	Jersey (St. Aubins)...	29.56	46	WNW	4	c	29.23	–.38	43	42	–5	WSW	3	cgm	3	50	39	cgp, p, 7	0.0	0.40
	Portland Bill ...	29.45	45	WNW	4	7c	29.23	–.26	37	36	–9	NNE	1	7	1	48	37	7c, hgp c	*	–
	Dungeness ...	29.44	39	W	2	7	29.22	–.27	43	42	–3	SSW	2	r	2	48	36	7c, 7	0.4	0.08
	Wick	28.94	34	SW	2	c	29.01	+.12	33	31	–2	SW	2	7	1	37	31	–	*	–
	Nairn	29.02	35	W	2	c	29.06	+.07	31	30	–2	N	0	7	1	38	28	–	*	–
	Aberdeen ...	29.05	35	SSW	3	7c	29.11	+.08	27	26	–8	W	2	7m	2	38	26	cm, 7c	0.3	–
	Leith	29.11	37	WSW	3	7	29.12	+.03	29	29	–8	N	0	7m	*	40	28	–	*	–
	North Shields ...	29.19	38	SW	2	c	29.17	–.02	32	31	–7	SW	1	7m	2	42	32	c	*	–
	Spurn Head ...	29.31	41	SSW	3	7	29.19	–.12	33	33	–9	S	1	7	1	43	31	–	*	–
	Yarmouth ...	29.36	40	WSW	3	7	29.24	–.16	33	32	–8	WSW	2	7f	2	44	31	7c, 7	*	–
	Nottingham ...	29.34	35	SW	1	7	29.22	–.13	30	30	–10	N	0	f	*	43	27	7	3.0	–
	Oxford	29.40	36	SW	3	7	29.24	–.20	32	32	–11	N	0	of	*	45	31	7	*	–
	London (Brixton)...	29.41	38	N	0	7	29.23	–.23	29	29	–15	N	0	gf	*	46	28	7cm, 7	1.0	–
GERMANY, &c.	The Scaw (Skagen)	29.50	35	SSW	5	S	29.43	–.08	35	34	0	S	5	S	2	36	32	–	*	0.16
	Fanö	29.45	32	SE	4	0	29.36	–.24	31	31	–4	SE	5	0	*	36	30	–	*	0.32
	Cuxhaven ...	29.56	31	S	5	0	29.39	–.34	31	31	+1	S	3	fs	*	34	30	–	*	0.16
	The Helder ...	29.37	39	SSW	4	0	29.28	–.23	34	34	+2	SSW	2	f	2	39	32	–	*	?0.20
	Brussels	*	*	*	*	*	29.36	–.36	34	34	+5	SSW	2	0	*	34	29	–	*	0.08
	Berlin	29.75	26	SE	2	7	29.53	–.50	24	23	+1	SE	2	c	*	30	23	–	*	–
	Frankfürt ...	29.71	27	SE	2	S	29.53	–.47	30	30	+6	E	1	c	*	30	24	–	*	0.08
	Munich	29.72	21	SW	2	c	29.58	–.39	24	23	+5	SE	3	0	*	25	14	–	*	–
FRANCE.	C. Gris Nez ...	29.45	45	W	5	7c	29.28	–.26	37	36	?	SSE	4	0	3	46	36	–	*	0.32
	Brest	29.59	48	W	3	0	29.28	–.38	47	44	–3	WNW	3	0	4	52	45	–	*	0.20
	Lorient	?	49	WNW	4	0	29.27	–.42	46	46	–4	NW	4	0	5	52	45	–	*	0.24
	Rochefort ...	29.71	47	SW	3	0	29.23	–.65	49	47	+11	NW	6	r	*	50	38	–	*	1.34
	Biarritz	29.88	49	SW	6	0	29.55	–.51	55	51	+13	SW	6	0	3	55	42	–	*	0.32
	Paris	29.61	34	SSW	3	0	29.36	–.49	36	36	+8	SSE	2	0	*	36	?	–	*	0.12
	Belfort	29.75	25	N	0	m	?29.50	–.48	32	31	+7	N	0	m	*	32	22	–	*	–
	Lyons	29.83	31	SE	1	0	29.58	–.46	29	28	0	S	1	0	*	35	26	–	*	0.04
	Nice	29.66	41	ENE	2	7	29.54	–.22	40	34	–1	N	0	7	0	52	37	–	*	–
	Perpignan † ...	29.81	44	N	0	0	29.64	–.33	45	39	+10	W	2	0	*	51	35	–	*	–
SPAN. PEN.	Corunna																		*	
	Lisbon	30.23	56	SW	5	7c	30.10	–.18	57	56	+13	WSW	5	0	*	57	44	–	*	0.12
	Azores (P. Delgada)																		*	
	" (Horta) ...	29.52	59	N	0	0	30.47	–.07	61	54	+5	W	1	0	1	66	56	–	*	–

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.* † *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR SATURDAY, 5th DECEMBER, 1903.

I. BAROMETER, WIND AND SEA. *This Morning.*

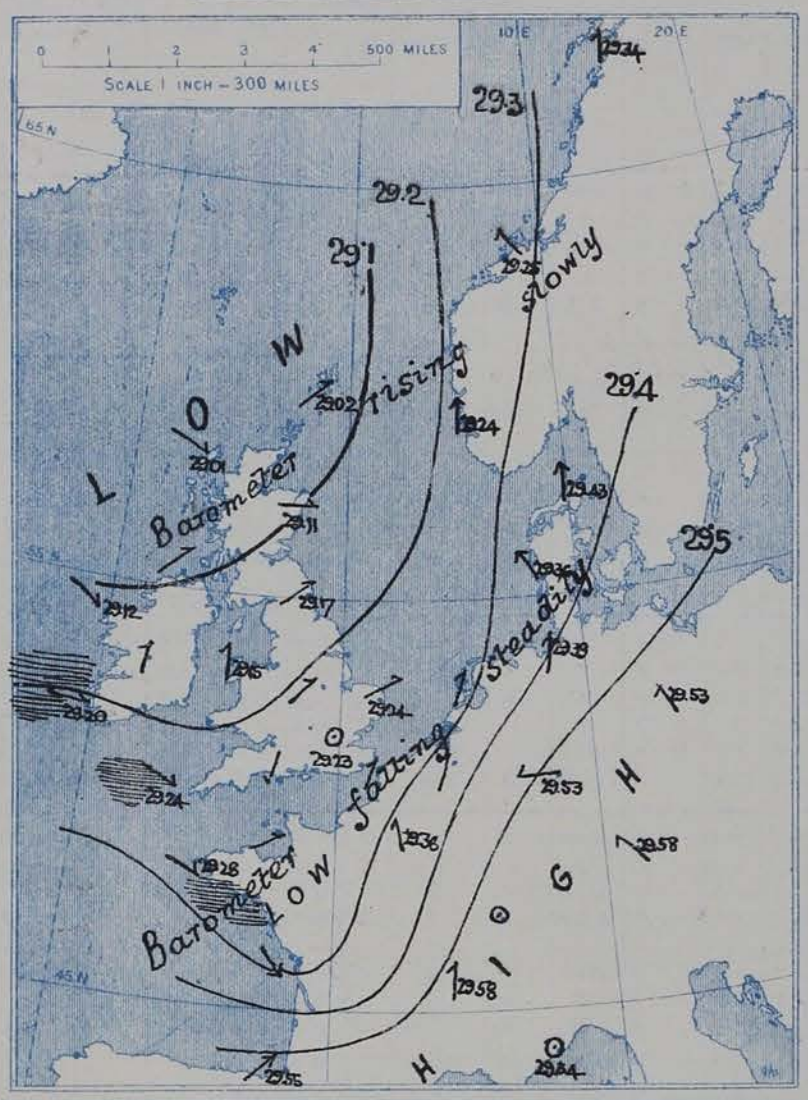
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ——→ : *Force 5 to 7* ——→ : } Calm ⊙

Force 8 to 10 ——→ : *Force 1 to 4* ——→ : }

SEA.—Rough *High*



II. TEMPERATURE AND WEATHER. *This Morning.*

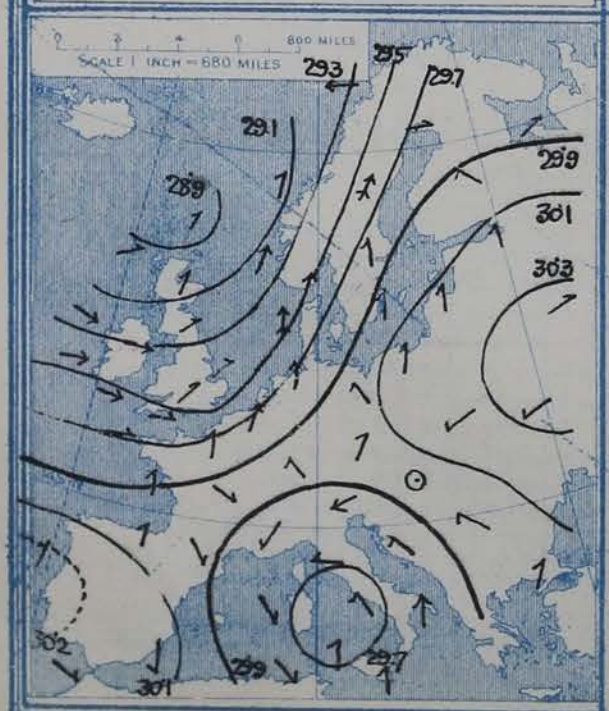
TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. *(See P. 4.)*

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus - 0·6

III. BAROMETER AND WIND

Yesterday morning.



IV. GREATEST AND LEAST MONTHLY RAINFALL IN DECEMBER

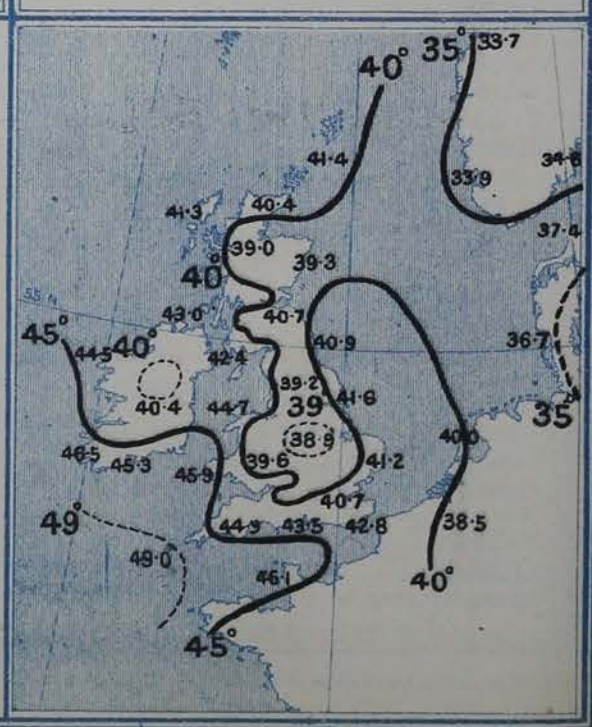
During the 32 Years 1871–1902.

Specimen for LONDON { *Greatest Rainfall* 5·82 (in 1876) / *Least* ..... *Do.* ..... 0·37 (in 1873) }

V. *Means of* DAILY TEMPERATURE

at 8 A.M. for the Two monthly period

NOVEMBER – DECEMBER (1871–1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

The large depression noticed over these Islands yesterday has moved slightly to the eastward, but still has its centre off the north of Scotland, the lowest pressures, 28·9 ins. and less, being reported in Caithness and the Shetlands. Small secondary systems are passing across various portions of western Europe, and the barometer is falling generally,- slightly in these Islands, but more decidedly at the continental stations. The highest pressures, 30.0 ins. and upwards, are reported over France and Germany, and over Scandinavia. Denmark, the North Sea and the Netherlands, the gradient for S^ly and SW^ly winds is steep.

WIND

The wind shows a partial circulation round the barometric minimum, being strong from the W^ard on our western and southern coasts, but light to moderate from the SW^ard over the northern and eastern parts of Great Britain, and S^ly at most of the continental stations, with a gale in Denmark and the south of Scandinavia.

TEMPERATURE

Temperature has fallen several degrees in the west and north of our Islands, and is now below 40° at all out more northern stations, the lowest value reported being 33° at Nairn. In the east and southeast of England and in the western and northern parts of the Continent the thermometer has risen, the change being very rapid in Sweden, where the frost has almost disappeared. Sharp frost still prevails, however, in Germany and central France, the lowest temperatures reported being 19° at Munich and 23° at Berlin.

WEATHER AND SEA

Changeable showery weather is prevalent over the greater part of the United Kingdom; rain is falling at many of the Continental stations, and snow at Fanö and the Helder; fog is reported at Frankfurt and Munich. The sea is rough on our western and southern coasts, and also off the Shetlands and the south of Norway.

During yesterday the thermometer rose to 50° or slightly above it on many parts of our western and southern coasts; in the east of England it did not reach 45°. Over the United Kingdom generally there was an almost complete absence of bright sunshine; Jersey had, however, as much as 5 hours. Rain fell in nearly all parts of northwestern Europe,- heavily (0·9 inch) at Holyhead.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off the north of Scotland appears to be almost stationary. Fresh disturbances are likely to advance shortly from the Atlantic, so that while some improvement in the weather is anticipated over England today, with a decrease in temperature, the change is likely to prove merely temporary. In Ireland the wind is likely to back to SW or S again, with rainy and milder weather.

FORECASTS*

For the 24 hours ending at NOON on 5th DECEMBER, 1903

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	S^ly and SW^ly winds, moderate; fair at first, rain or sleet later.
2 ENGLAND N.E. 3 ENGLAND EAST 4 MIDLAND COUNTIES	W^ly to SW^ly winds, moderate or fresh; changeable, some showers, becoming temporarily colder.
5 ENGLAND SOUTH	W^ly to SW^ly winds, strong on coast; changeable, some showers, becoming temporarily colder.
6 SCOTLAND WEST 7 ENGLAND N.W. 8 ENGLAND S.W 9 IRELAND NORTH 10 IRELAND SOUTH	W^ly to SW^ly winds, strong, a gale in places; cool today and mostly fair, milder tomorrow, and probably rainy
WARNINGS	At 10.0 am today to districts 1, 2, 3 and part of 0 "Lower Cone". The signals are still flying on all our other coasts.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph; see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.					This Morning 8 a.m.									Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind Direc^n	Wind Force	Weather.	Barometer. Ins.	Barometer. Change	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direc^n	Wind Force	Weather.	Sea.	Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	c	*	42	36	o, r	0·5	0·07
Bath	29·71	44	SW	7	r	29·45	− ·54	43	42	+ 4	SW	2	o	*	48	39	–	0·0	0·41

REPORTS FOR YESTERDAY.

STATIONS.	Temperture F. Max.	Temperture F. Min.	Weather.	Sunshine Hrs.	Rainfall. Ins.	STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine Hrs.	Rainfall. Ins.
	°	°					°	°			
Southport, to 9 p.m.... ...	46	39	op, or, o	0·0	0·65	Broadstairs...	*	*	*	0·4	*
Rhyl, to 6 p.m.	*	*	*	0·0	*	Margate	42	26	c	0·0	–
Llandudno...	*	*	*	0·0	*	Lowestoft, to 6 p.m.... ...	43	28	b, c, or	0·0	–
Bettws-y-Coed, to 6 p.m. ...	47	34	orq, ur	0·0	*	Skegness	*	*	*	0·0	*
Aberystwyth, to 6 p.m. ...	48	44	or	0·0	0·08	Scarborough, to 6 p.m. ...	43	*	*	0·0	*
Plymouth, to 9 p.m.... ...	49	24	ou, ourq r	0·0	0·26	Harrogate, to 6 p.m. ...	42	32	od, or	0·0	0·06
Worthing	*	*	*	0·9	*	Manchester, to 9 p.m. ...	45	30	ou, r, q	0·0	0·17
Brighton	45	*	*	0·0	*	Darwen, to 9 p.m.	43	31	ors	0·0	1·05
Eastbourne, to 6 p.m. ...	45	*	*	0·0	*	Birmingham, to 9 p.m. ...	41	29	o, d, r	0·0	0·04
Hastings	*	*	*		*						

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 3rd Decr. 1903.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	STATIONS.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.
Copenhagen	32	28	o, m	0·08	Algiers	61	46	o, o	–
Utrecht...	39	28	bc, b	–	Tunis	66	45	o, m	0·12
Groningen	39	28	c, bc	0·04	Madeira (Funchal)	Not	rec^d		
Vienna	39	30	o, o	0·35	2nd Decr. 1903.	1 p.m.		1 p.m.	Measured 7 a.m.
Marseilles	43	28	b, o	–	Geneva	37	*	o	0·12
Florence	47	36	r, o	0·08	Berne	34	*	o	0·04
Rome	56	44	o, r	–	Coire	34	*	o	0·04
Naples	62	50	c, o	–	Castasegna	36	*	b	0·12
Palermo	68	48	o, o	–	Lugano	43	*	b	0·20
Malta	68	57	o	–	Davos	27	*	o	–

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.‡ (W.E.T.)	6 p.m.
Holland	8 a.m. („ „)	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores { Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

4th Decr. 1903.	Sunrise G.M.T.	Noon G.M.T	Sunset G.M.T.
Yarmouth	7.46	11.43	3.40
Greenwich	7.49	11.50	3.52
Wick	8.43	12.2	3.22
Valencia	8.32	12.31	4.30

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
„ Weekly „ „ „ £1 10 0 „ Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on SUNDAY, 6TH DECEMBER, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins.	Barometer. Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Temperature. Change since Yesterday. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Temp. Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...														*				*	
	Hernösand ...														*				*	
	Stockholm ...														*				*	
	Wisby														*				*	
	Karlstad														*				*	
	Færder (X'iania Fjord)														*	*	*		*	
	Bodö	29.51	33	SE	4	c	29.47	+.13	31	30	-7	ESE	4	o	2	38	30	–	*	–
	Christiansund ...	29.33	39	SE	1	b	29.29	+.04	35	31	-5	SW	1	o	3	40	34	–	*	–
	Skudesnaes ...	29.30	40	SSE	4	o	29.33	+.09	37	34	-4	SE	2	b	3	41	36	c, o	*	*
BRITISH ISLANDS.	Sumburgh Head	29.12	36	Z	0	b	29.21	+.19	36	34	-2	Z	0	c	3	41	34	bc, b	*	–
	Stornoway ...	29.11	32	WSW	3	bc	29.17	+.16	34	32	-1	WSW	2	c	3	39	29	o, bc	0.0	–
	Malin Head ...	29.16	36	WNW	3	op.	29.36	+.30	41	38	+6	WNW	5	bqp	4	41	34	bc, op	*	0.10
	Blacksod Pt. ...	29.25	41	NW	5	chp	29.47	+.35	40	37	+2	WNW	3	bc	3	41	36	op, chp	*	0.15
	Valencia	29.30	42	NW	6	cqp	29.56	+.36	37	35	-6	NE	1	bc	4	44	36	hp, cqp	2.3	0.18
	Roche's Point ...	29.26	38	NW	3	b	29.57	+.36	37	35	+2	NW	2	b	1	41	32	b	*	0.02
	Parsonstown ...	29.25	35	E	2	b	29.53	+.36	29	28	-3	E	2	b	*	38	27	b	1.4	–
	Donaghadee ...	29.19	34	SW	2	o	29.42	+.28	32	32	-1	SW	2	b	2	34	31	–	*	–
	Liverpool Obsy.	29.21	33	S	1	f	29.47	+.28	31	31	-1	SE	1	f	?	37	30	f, s	*	0.01
	Holyhead ...	29.18	41	NW	2	c	29.45	+.30	40	38	+2	NW	3	bc	2	41	36	r, c	*	0.28
	Pembroke (St. Ann's)	29.21	42	N	2	bc	29.52	+.34	40	38	0	NW	3	bc	2	43	37	bc, p	2.4	0.09
	Scilly (St. Mary's)...	29.24	44	NW	5	cp	29.51	+.27	43	40	-2	NNW	5	chq	5	47	39	cq, cp	4.1	0.08
	Jersey (St. Aubins)...	29.25	41	NW	3	cq.	29.48	+.25	38	37	-5	NNE	3	crsh	3	46	37	bcp, cq	1.8	0.24
	Portland Bill ...	29.19	38	N	1	bc	29.49	+.26	32	32	-5	N	1	b	1	45	31	bc	*	–
	Dungeness ...	29.14	37	NNE	2	o	29.44	+.22	31	31	-12	N	3	f	1	44	29	c, o, f	0.0	0.08
	Wick	29.09	35	NW	1	b	29.18	+.17	33	32	0	N	1	b	1	39	27	–	*	–
	Nairn	29.15	29	Z	0	c	29.27	+.21	33	32	+2	W	1	bc	1	37	26	–	*	–
	Aberdeen ...	29.19	27	WSW	2	bm	29.32	+.21	24	23	-3	WNW	3	bm	2	32	22	bm	1.7	–
	Leith	29.20	31	Z	0	bcf	29.36	+.24	31	31	+2	Z	0	m	*	34	26	–	*	–
	North Shields ...	29.17	29	SW	2	f	29.38	+.21	28	28	-4	W	3	b	2	36	27	cm, f	*	–
	Spurn Head ...	29.18	32	W	2	f	29.39	+.20	32	32	-1	WNW	3	f	2	37	29	–	*	0.02
	Yarmouth ...	29.14	28	WNW	2	f	29.36	+.12	34	33	+1	WNW	4	cf	3	34	26	f	*	0.08
	Nottingham ...	29.21	29	NNE	2	f	29.35	+.13	29	29	-1	WSW	1	o	*	38	28	f	0.0	–
	Oxford	29.26	28	NNW	1	f	29.48	+.24	32	31	0	NW	2	o	*	33	28	f, o	*	–
	London (Brixton)...	29.19	32	Z	0	f	29.44	+.11	31	30	+2	W	3	o	*	34	28	gf, om	0.0	–
GERMANY, &c.	The Scaw (Skagen)	29.35	36	S	2	m	29.37	-.06	35	34	0	SW	3	m	1	36	32	–	*	0.08
	Fanö	29.31	32	SE	2	o	29.36	.00	30	29	-1	NE	1	o	*	36	30	–	*	–
	Cuxhaven ...	29.32	33	S	2	o	29.29	-.10	31	30	0	E	4	s	*	34	30	f, o, s	*	0.04
	The Helder ...	29.19	36	SSE	1	m	29.30	+.02	37	36	+3	ENE	1	o	1	37	32	–	*	–
	Brussels	*	*	*	*	*	29.38	+.02	32	32	-2	Z	0	S	*	36	31	–	*	0.43
	Berlin	29.39	27	S	1	b	29.38	-.15	26	26	+2	SE	3	b	*	28	24	–	*	–
	Frankfürt ...	29.23	32	SE	2	o	29.35	-.18	36	35	+6	SW	2	bc	*	37	30	–	*	0.08
	Munich	29.27	29	E	3	o	29.35	-.23	32	32	+8	W	3	s	*	34	24	–	*	–
FRANCE.	C. Gris Nez ...	29.17	35	ESE	1	o	29.40	+.12	34	34	-3	N	3	m	2	41	30	–	*	0.16
	Brest	29.28	46	NW	4	c	29.52	+.24	44	40	-3	N	4	c	3	48	39	–	*	0.08
	Lorient	29.18	45	NNW	5	c	29.50	+.23	42	41	-4	NNW	5	b	4	54	39	–	*	–
	Rochefort ...	29.33	43	W	3	o	29.53	+.30	43	42	-6	NW	4	o	2	49	41	–	*	0.35
	Biarritz	29.42	50	W	6	†	29.61	+.06	46	45	-9	W	5	†	5	55	45	r, h	*	1.06
	Paris	29.17	37	W	2	o	29.42	+.06	32	32	-4	SSW	1	bc	*	39	32	–	*	0.32
	Belfort	29.22	38	WSW	4	†	29.37	-.13	35	34	+3	WSW	5	o	*	39	32	–	*	0.95
	Lyons	29.29	43	SSW	3	o	29.47	-.11	37	36	+8	NW	1	o	*	44	29	–	*	0.20
	Nice	29.42	45	E	3	o	29.19	-.35	45	44	+5	Z	0	o	4	50	40	–	*	0.75
	Perpignan ...	29.29	47	E	1	o	29.49	-.15	46	41	+1	NW	2	q	*	58	44	–	*	–
SPAN. PEN.	Corunna																		*	
	Lisbon	29.89	55	WNW	5	†	30.00	-.10	53	49	-4	NNW	4	bc	*	61	52	–	*	0.08
	Azores (P. Delgada)	30.39	60	NW	3	c	30.32		59	57		WNW	4	c	3	63	57	–	*	–
	,, (Horta) ...	30.40	60	WSW	2	c	30.34	-.13	60	55	-1	WSW	4	b	1	64	59	–	*	–

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster; the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

† *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR SUNDAY, 6TH DECEMBER, 1903.

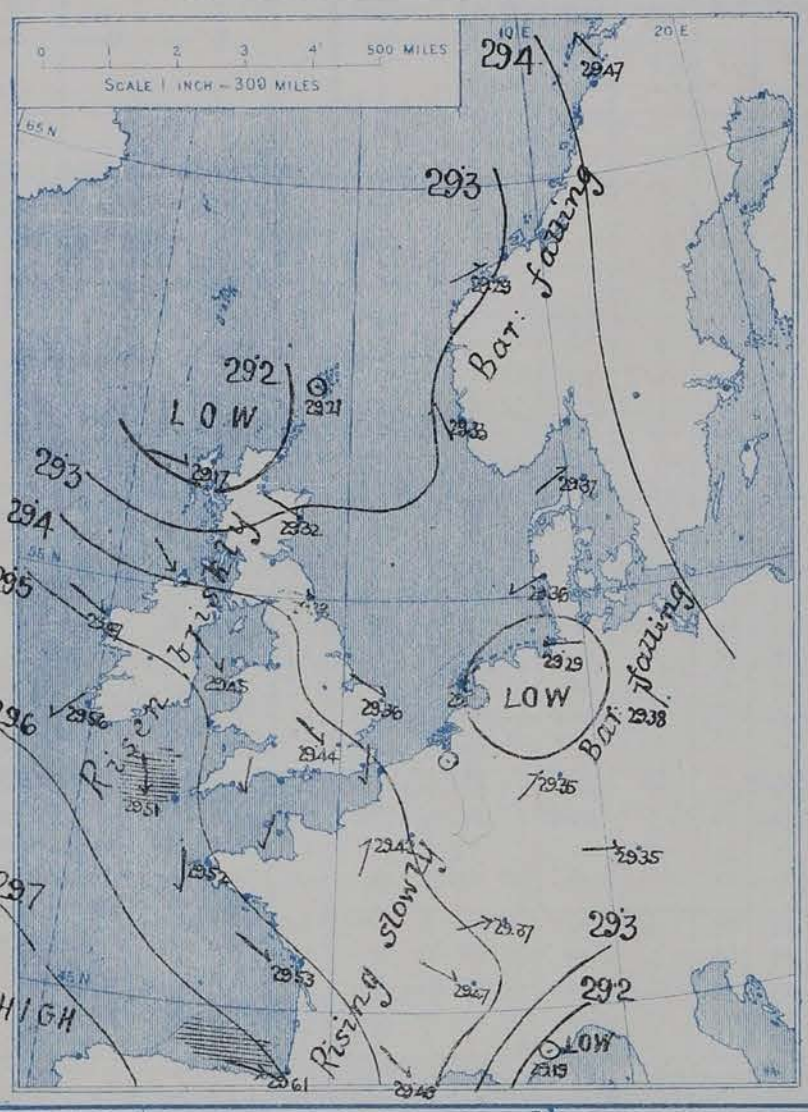
I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 — *Force 8 to 10* — *Force 5 to 7* — *Force 1 to 4* — Calm ⊙

SEA.—Rough — *High*

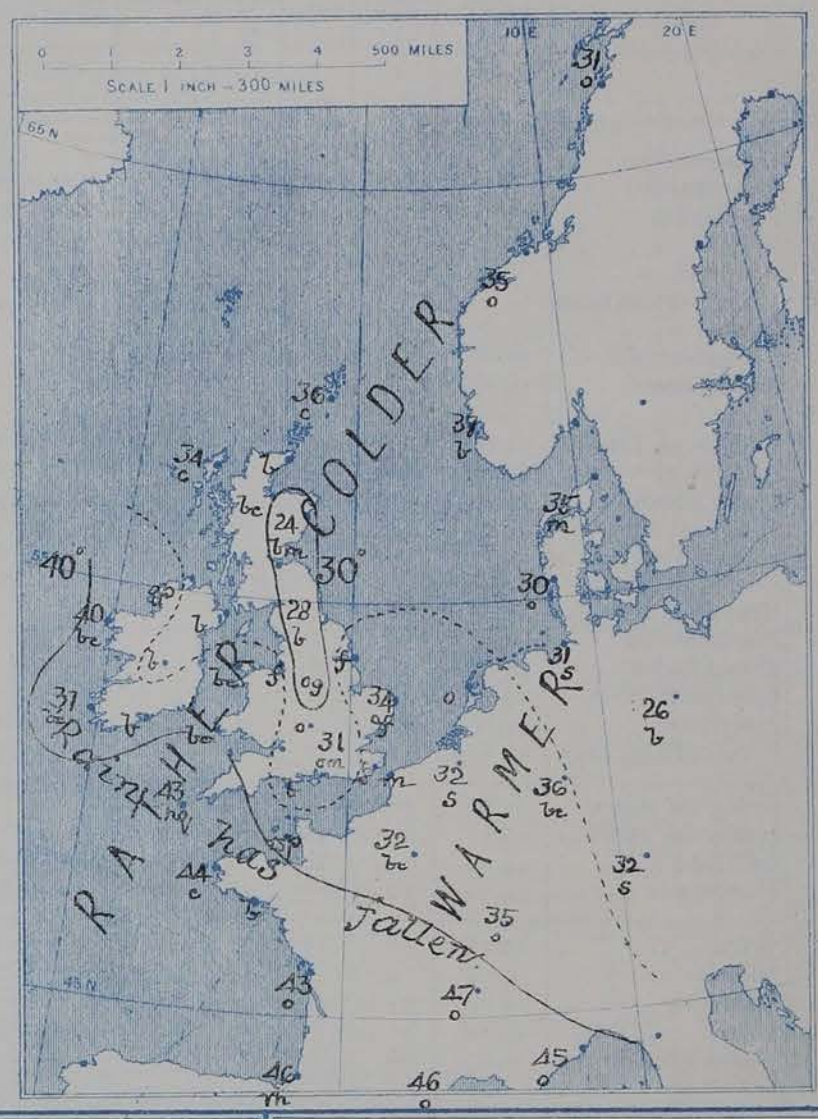


II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.

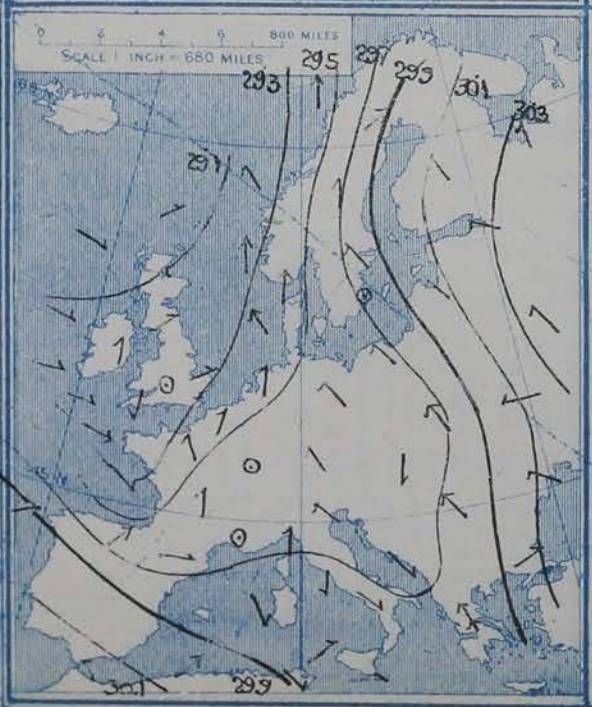
WEATHER.—Shown by Letters of the Beaufort Scale. *(See P. 4.)*

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus - 0·6



III. BAROMETER AND WIND

Yesterday morning.



IV. GREATEST AND LEAST MONTHLY RAINFALL IN DECEMBER

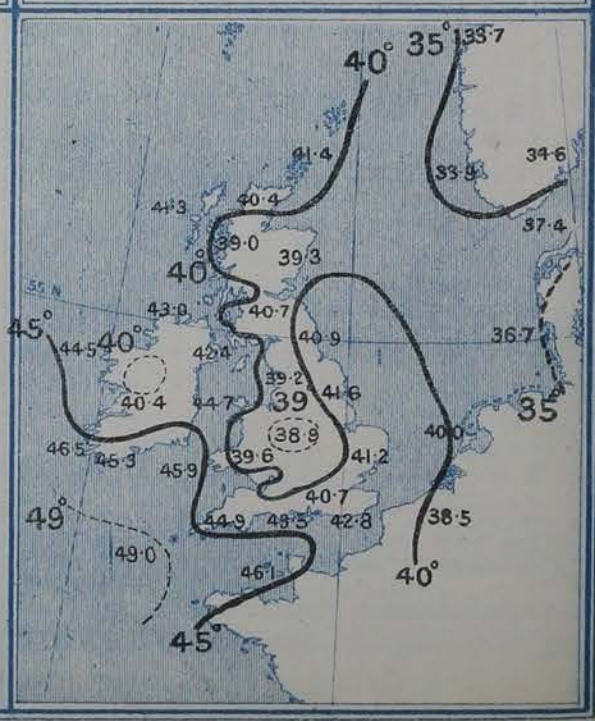
During the 32 Years 1871–1902.

Specimen for LONDON { *Greatest Rainfall* 5·82 (IN 1876); *Least* ..... *Do.* ..... 0·37 (IN 1873)

V. *Means of* DAILY TEMPERATURE

at 8 A.M. for the Two monthly period

NOVEMBER – DECEMBER (1871–1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

The centre of a deep disturbance, barometer below 29 ins. is still situated beyond our northern coasts, but while the barometer has fallen more or less decidedly over Ireland, England and western Europe, it has risen over Scotland, the result being a great reduction in the pressure gradient to 0.2 in. between the Shetlands and Jersey, and 0.5 in. between the Shetlands and Biarritz. A V-shaped secondary depression has appeared over the northwest quarter of France. Out at the Azores the barometer is at about 30.5 ins.

WIND

With the reduction in the barometric gradient, calms and very light variable breezes from between S and W are reported in most parts of our Islands, drawing N.W.ly on the southwestern coasts. On the west coast of France moderate to strong winds from N.W. to S.W. prevail; thence round to Denmark the direction is S.ly to S.E.ly, fresh or strong on the Danish coast.

TEMPERATURE

Temperature has declined over our Islands and the northwest of France, decidedly over England, risen generally on the Continent. The present readings range from 27° at Aberdeen and 29° at Bath, Leith and in London, to 43° at Valencia, Jersey and Dungeness and 45° at Scilly; from 24° at Berlin and Munich and 29° at Lyons to 49° at Rochefort and 55° at Biarritz.

WEATHER AND SEA

Exceedingly variable weather is reported, a cloudless sky at several stations, overcast and gloomy in places, very foggy over the inland districts of England, raining in the west of Ireland and on the eastern part of the English Channel, hail showers in north Wales. Lightning has occurred at Blacksod Point and Jersey, and a thunderstorm on the Lancashire coast. Cloudy skies prevail on the Continent, with rain or snow locally, and fog along the southern shore of the North Sea. The sea is rather rough off Valencia, Scilly and Lorient, moderate to very smooth elsewhere.

During yesterday temperature rose to 50° at Scilly and Jersey, but did not reach 40° in the north of Scotland and central Ireland. Frost occurred in the night at the majority of stations, 26° at Aberdeen and 27° at Nottingham being the lowest values. Some stations had no bright sunshine, at others the duration ranged up to 4 hours at Aberystwyth and 4.3 hours at Skegness.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

With the low barometric pressure prevailing over our Islands and western Europe, the conditions remain of a very unsettled type, with variable and cold weather. Further disturbances will probably approach our western coasts shortly.

FORECASTS*

For the 24 hours ending at NOON on 6TH DECEMBER, 1903

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST 2 ENGLAND N.E.	W.ly to S.W.ly breezes, light; changeable, fine to dull, some cold rain.	6 SCOTLAND WEST 7 ENGLAND N.W.	Same as Nos. 0 to 2
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	Calms or light variable breezes; cold, foggy to fair.	8 ENGLAND S.W 9 IRELAND NORTH 10 IRELAND SOUTH	N.W.ly to S.W.ly breezes, light to fresh; changeable, fair to dull, some rain or sleet.
		WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone

The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone

* *For terms for transmission of Forecasts by Telegraph; see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.					This Morning 8 a.m.									Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind Direc^n	Wind Force	Weather.	Barometer. Ins.	Barometer. Change	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direc^n	Wind Force	Weather.	Sea.	Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	b	*	44	31	c, bc, f	1·7	–
Bath	29·38	42	SW	3	0	29·21	–·24	29	29	–·14	W	1	f	*	46	28	–	3·4	0·05

REPORTS FOR YESTERDAY.

STATIONS.	Temperture F. Max.	Temperture F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.
Southport, to 9 p.m.... ...	45°	40°	or, c, zl, chg	1·4	0·21	Broadstairs...	*	*	*		*
Rhyl, to 6 p.m.	*	*	*	3·8	*	Margate	47	34	c, b	0·5	0·08
Llandudno...	*	*	*	3·6	*	Lowestoft, to 6 p.m.... ...					
Bettws-y-Coed, to 6 p.m. ...	45	38	c, bc, cp	1·9	*	Skegness	*	*	*	4·3	*
Aberystwyth, to 6 p.m. ...	46	43	r, c	4·0	0·12	Scarborough, to 6 p.m. ...	43	*	*	0·7	*
Plymouth, to 9 p.m.... ...	51	39	bcp	3·9	0·14	Harrogate, to 6 p.m. ...	44	37	r, c, o, c	1·1	0·23
Worthing	*	*	*	2·1	*	Manchester, to 9 p.m. ...	45	34	bc, p, bc	3·8	0·12
Brighton	47	*	*	1·8	*	Darwen, to 9 p.m.	42	33	or, op, rs, op	0·8	0·38
Eastbourne, to 6 p.m. ...	48	*	*	1·0	*	Birmingham, to 9 p.m. ...					
Hastings	*	*	*	1·0	*						

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 4th Decr 1903.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	STATIONS.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.
Copenhagen	36	28	o, b	–	Algiers	55	48	r, o	0·75
Utrecht...	36	30	o, s	–	Tunis	61	43	o, o	0·39
Groningen	36	30	o, o	–	Madeira (Funchal)	57	48	o, o	–
Vienna	36	27	bc, s	?	3rd Dec.r 1903.	1 p.m.		1 p.m	Measured 7 a.m.
Marseilles	45	30	o, o	0·04	Geneva	36	*	bc	–
Florence	48	43	r, o	?	Berne	32	*	m	0·04
Rome	51	48	o, r	1·46	Coire	30	*	b	–
Naples	60	52	o, o	–	Castasegna	32	*	b	–
Palermo	66	56	bc, r	0·04	Lugano	43	*	b	–
Malta	67	58	bc	–	Davos	16	*	b	–

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.‡ (W.E.T.)	6 p.m.
Holland	8 a.m. (" ")	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores { Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

5th Decr, 1903.	Sunrise G.M.T.	Noon G.M.T	Sunset G.M.T.
Yarmouth	7·47	11·44	3·40
Greenwich	7·50	11·51	3·52
Wick	8·45	12·3	3·21
Valencia	8·33	12·32	4·30

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " " £1 10 0 " Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Monday, 7th December, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins.	Barometer. Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Temperature. Change since Yesterday. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Temp. Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.62	33	SE	4	r	29.74		33	32		SSW	2	o	*	34	27	–	*	0.12
	Hernösand ...	29.62	32	N	0	b	29.77		25	24		N	0	o	*	37	25	–	*	0.12
	Stockholm ...	29.73	34	SW	2	o	29.71		37	37		SE	2	r	*	39	32	–	*	0.20
	Wisby	29.60	38	SW	2	o	29.63		39	38		N	0	r	*	41	34	–	*	–
	Karlstad	29.63	34	N	0	o	29.71		32	31		NNE	2	s	*	*	*	–	*	0.04
	Færder (X'iania Fjord)																		*	
	Bodö	29.39	35	ESE	4	o	29.51	+.04	36	33	+ 5	ESE	4	o	1	36	30	–	*	–
	Christiansund ...	29.45	37	SSW	2	bc	29.51	+.22	37	31	+ 2	SE	3	b	4	37	34	–	*	–
	Skudesnaes ...	29.53	38	SSE	6	c	29.56	+.23	39	37	+ 2	SSE	6	c	4	39	36	c	*	*
BRITISH ISLANDS.	Sumburgh Head	29.26	36	WSW	1	c	29.17	–.04	40	38	+ 4	S	5	o	5	40	35	bc,c	*	0.03
	Stornoway ...	29.31	35	WSW	1	b	28.79	–.38	42	39	+ 8	SSE	7	r	8	42	30	hp,b	1.8	0.09
	Malin Head ...	29.34	37	SSW	4	c	28.75	–.61	44	42	+ 3	SW	7	ogr	5	44	37	bc,c	*	0.10
	Blacksod Pt. ...	29.29	44	SSW	6	op	28.84	–.63	44	42	+ 4	WSW	7	bogpm	6	48	38	bc,op	*	0.33
	Valencia	29.33	44	SSE	5	rg	29.07	–.49	49	44	+ 12	SW	8	cu	6	52	35	o,rg	0.1	0.61
	Roche's Point ...	29.46	46	SSW	5	o	29.10	–.47	46	45	+ 9	W	3	bc	5	50	35	o	*	0.49
	Parsonstown ...	29.36	42	SW	3	o	28.99	–.54	43	41	+ 14	WSW	2	bc	*	48	29	o,r	1.8	0.19
	Donaghadee ...	29.47	35	N	0	b	28.89	–.53	47	47	+ 15	SW	4	rg	4	47	?32	–	*	0.60
	Liverpool Obsy.																		*	
	Holyhead ...	29.53	41	WSW	2	bc	28.96	–.49	45	45	+ 5	SSW	8	rgm	6	45	38	c,bc	*	0.21
	Pembroke (St. Ann's)	29.57	44	SSW	2	c	29.10	–.42	51	49	+ 11	SW	7	oggpm	6	52	?40	–	4.3	0.22
	Scilly (St. Mary's)...	29.62	46	SSW	2	o	29.26	–.25	48	45	+ 5	W	6	o	5	48	40	c,o	4.4	0.32
	Jersey (St. Aubins)...	29.72	40	WNW	3	bc	29.49	+.01	43	42	+ 5	SSE	7	m	5	46	33	hsp,bc	3.0	0.21
	Portland Bill ...	29.64	40	N	0	b	29.31	–.18	44	43	+ 12	S	8	r	5	46	32	b	*	0.04
	Dungeness ...	29.64	32	NNW	1	m	29.55	+.11	42	40	+ 11	SSW	6	cg	3	43	30	f	0.0	–
	Wick	29.29	35	N	0	b	29.00	–.18	41	40	+ 8	S	6	o	3	42	30	–	*	–
	Nairn	29.36	32	N	0	b	28.94	–.33	39	37	+ 6	ESE	2	r	1	39	31	–	*	0.01
	Aberdeen ...	29.42	29	WSW	2	b	29.14	–.18	41	38	+ 17	SSE	6	oggu	3	41	23	bm,b	0.9	0.01
	Leith	29.42	33	WSW	1	m	28.98	–.38	37	35	+ 6	SE	4	rs	*	39	28	–	*	–
	North Shields ...	29.49	34	SW	1	c	29.18	–.20	35	34	+ 7	S	5	o	3	37	27	–	*	–
GERMANY, &c.	Spurn Head ...																		*	
	Yarmouth ...	29.55	32	WNW	4	m	29.51	+.15	39	37	+ 5	S	5	c	5	39	27	f	*	0.01
	Nottingham ...	29.61	30	N	0	m	29.33	–.02	37	31	+ 8	S	2	o	*	37	27	f	0.0	–
	Oxford	29.66	29	SW	2	b	29.35	–.13	39	38	+ 7	SE	4	or	*	40	29	of,b,f,b	*	–
	London (Brixton)...	29.64	34	N	0	o	29.45	+.01	40	37	+ 9	S	5	o	*	41	30	om,o	0.0	–
	The Scaw (Skagen)	29.59	36	ESE	1	m	29.66	+.29	35	34	0	N	0	m	0	37	34	–	*	0.04
	Fanö	29.58	31	NNE	1	c	29.69	+.33	27	27	– 3	ESE	1	f	*	34	25	–	*	0.08
	Cuxhaven ...	29.49	32	E	1	o	29.72	+.43	28	27	– 3	S	1	o	*	34	27	–	*	–
	The Helder ...	29.56	42	N	1	bc	29.65	+.35	34	33	– 3	SSW	1	b	1	42	30	–	*	–
	Brussels	*	*	*	*	*	29.75	+.37	32	31	0	SSE	2	b	*	35	31	–	*	–
	Berlin	29.56	35	SSE	1	r	29.78	+.40	34	31	+ 8	W	2	o	*	35	26	–	*	–
	Frankfürt ...	29.69	36	W	2	c	29.84	+.49	35	31	– 1	S	1	c	*	37	34	–	*	–
	Munich	29.62	32	SW	2	s	29.79	+.44	30	30	– 2	W	2	s	*	34	30	–	*	–
FRANCE.	C. Gris Nez ...	29.63	35	WSW	2	m	?29.61	+.21	34	32	0	S	4	b	4	37	32	–	*	–
	Brest	29.67	46	NNW	2	o	29.40	–.12	51	51	+ 7	S	5	r	5	51	41	–	*	0.16
	Lorient	29.73	44	N	3	bc	29.49	–.01	48	48	+ 6	S	6	m	7	50	41	–	*	0.39
	Rochefort ...	29.76	44	NNW	3	b	29.69	+.16	41	39	– 7	SSE	5	r	*	47	38	cb	*	0.04
	Biarritz	29.84	51	NNW	5	bc	29.76	+.15	44	44	– 2	S	2	r	4	52	43	bc,b	*	0.28
	Paris	29.71	35	N	0	o	29.78	+.36	31	31	– 1	S	3	o	*	39	30	–	*	–
	Belfort	29.64	34	WSW	4	o	29.85	+.46	30	30	– 5	E	2	m	*	40	30	–	*	–
	Lyons	29.69	37	WSW	2	o	29.86	+.39	32	30	– 5	NW	1	b	*	41	32	–	*	–
	Nice	29.34	42	W	1	b	29.54	+.35	38	35	– 7	ENE	3	b	4	46	36	–	*	0.16
	Perpignan ...	29.68	46	NW	4	o	29.76	+.27	43	39	– 3	NW	4	c	*	55	38	–	*	0.04
SPAN. PEN.	Corunna																		*	
	Lisbon														*				*	
	Azores (P. Delgada)																		*	
	" (Horta) ...	30.30	63	SW	4	b	30.32	–.02	63	59	+ 3	SW	4	c	2	64	60	–	*	–

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-S-*

* *Observations for this column not generally received.* † *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

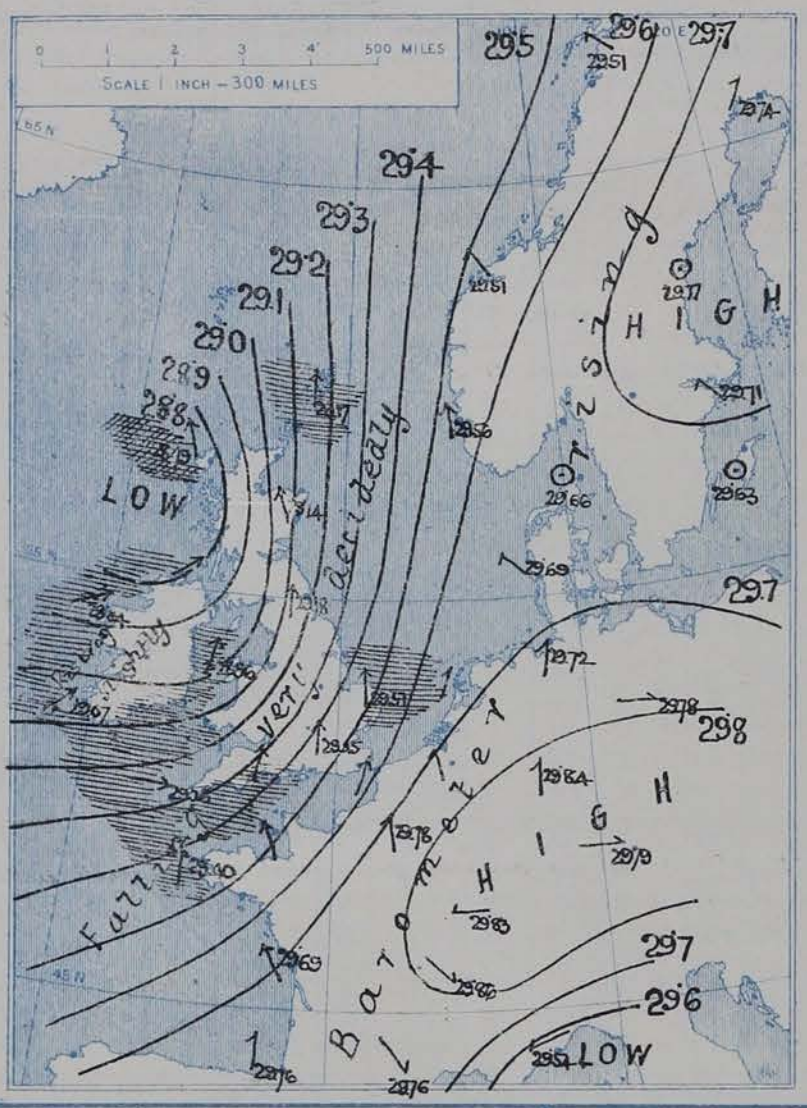
FOR MONDAY, 7TH DECEMBER, 1903.

I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶⟶ ; *Force 5 to 7* ⟶ ; *Force 8 to 10* ⟶ ; *Force 1 to 4* ⟶ ; } Calm ⊙

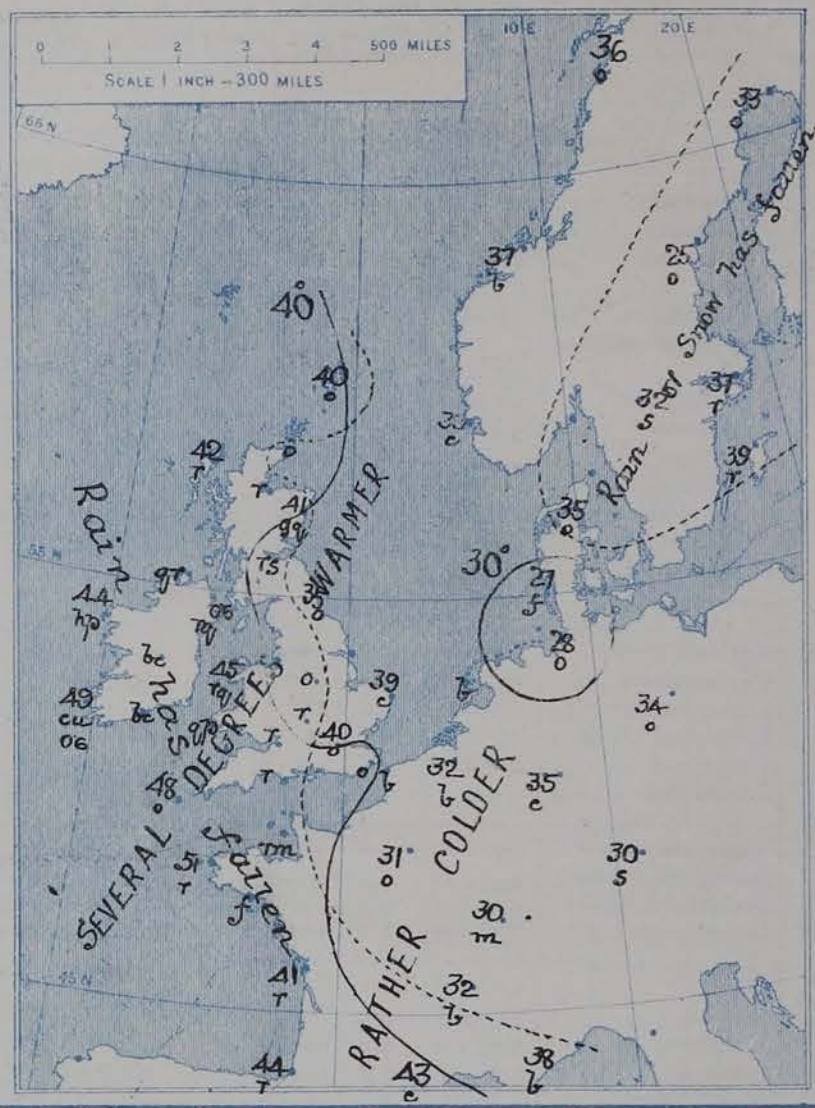
SEA.—Rough ▒ *High* ▓



II. TEMPERATURE AND WEATHER. *This Morning.*

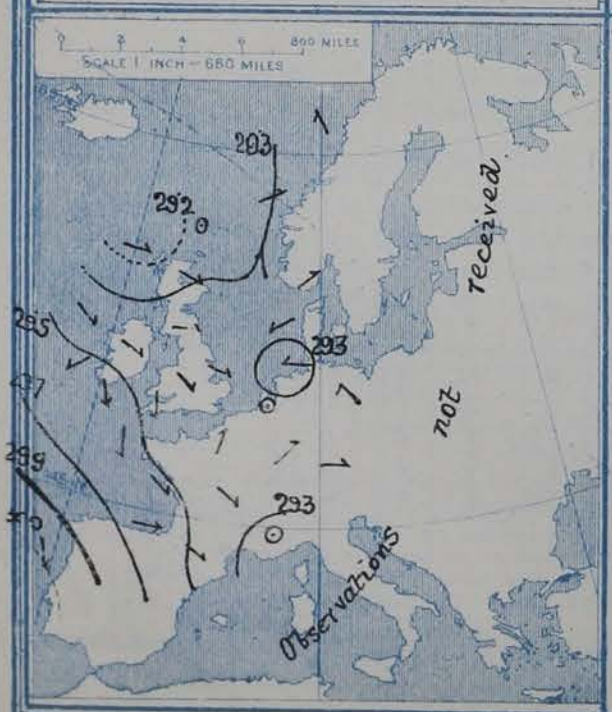
TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale. *(See P. 4.)*

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus - 0·6



III. BAROMETER AND WIND

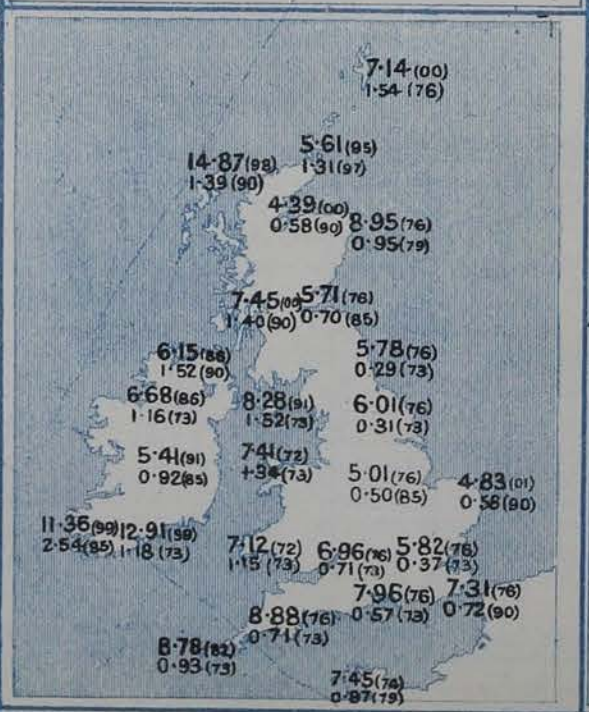
Yesterday morning.



IV. GREATEST AND LEAST MONTHLY RAINFALL IN DECEMBER

During the 32 Years 1871–1902.

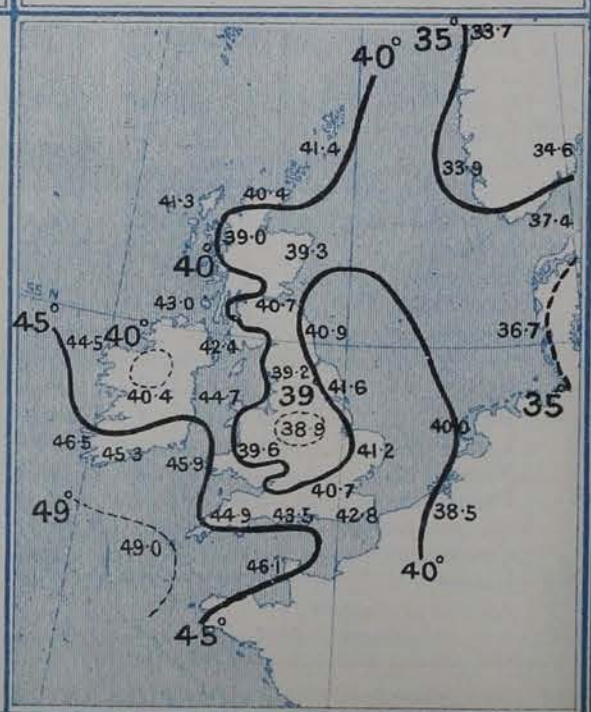
Specimen for LONDON { *Greatest Rainfall* 5·82 (IN 1876) / *Least* ..... *Do.* ..... 0·37 (IN 1873)



V. *Means of* DAILY TEMPERATURE

at 8 A.M. for the Two monthly period

NOVEMBER – DECEMBER (1871–1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

The large shallow depression which lay over the United Kingdom and France yesterday has travelled slowly eastwards to Germany, Denmark and the North Sea and a rather brisk recovery of pressure is taking place in its rear. The readings now range from 30·0 ins. at Lisbon and 29·6 ins. at Biarritz to 29·3 ins. or less over Holland and the northwest of Germany, to below 29·2 ins. (1) over the extreme north of Scotland and (2) in a depression that has appeared over the Gulf of Genoa. Gradients are slight except in the last mentioned region.

WIND

The wind, which is light or moderate throughout our area, is NW½ over the United Kingdom and the west of France, W½ to S½ over the greater part of Germany, E½ at Cuxhaven, and the Helder, and between SW. and SE. in Norway.

TEMPERATURE

Temperature has risen over Germany and the southeast of France, fallen in most other regions. It now ranges from 46° at Biarritz and Perpignan and 40° or 41° on the northwestern coasts of Ireland to below 30° over central Ireland and many parts of Great Britain. Lowest readings are 26° at Berlin and 24° at Aberdeen.

WEATHER AND SEA

The weather varies greatly; in many localities the sky is clear, but overcast at most Continental stations, with snow at Brussels, Munich and Cuxhaven. Showers of rain are reported at Malin Head and of rain, sleet, and hail at Jersey, while at Liverpool and on the southeastern and eastern coasts of England fog prevails. The sea is rather rough at Biarritz and Scilly, moderate to smooth elsewhere.

The maximum temperatures recorded over our Islands yesterday were below 40° very generally, and in several places not much above 32°. Rain was experienced over the major portion of the United Kingdom, and dense fog in many parts of England. Heavy rain was also prevalent in France — 0·75 in. at Nice, 0·95 in. at Belfort, and 1·06 ins. at Biarritz. Very little bright sunshine was registered yesterday over the Kingdom as a whole, but Jersey had 4·1 hrs., Skegness 4·3 hrs, and Worthing 4·6 hrs.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS*

For the 24 hours ending at NOON on 7TH DECEMBER, 1903

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	None issued.	6 SCOTLAND WEST	None issued.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W	
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph; see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.					This Morning 8 a.m.									Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind Direc^n	Wind Force	Weather.	Barometer. Ins.	Barometer. Change	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direc^n	Wind Force	Weather.	Sea.	Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	o	*	41	27	c, b, f	5·3	–
Bath	29·24	?33	NW	1	o	29·51	+·30	31	31	+2	NW	1	f	*	35	28	–	0·0	–

REPORTS FOR YESTERDAY.

STATIONS.	Temperture F. Max.	Temperture F. Min.	Weather.	Sunshine Hrs.	Rainfall. Ins.	STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine Hrs.	Rainfall Ins.
	°	°					°	°			
Southport, to 9 p.m.... ...	41	29	or, o, of	0·0	0·64	Broadstairs...	*	*	*		*
Rhyl, to 6 p.m.	*	*	*		*	Margate	41	33	o, p	0·0	0·02
Llandudno...	*	*	*	1·6	*	Lowestoft, to 6 p.m.... ...					
Bettws-y-Coed, to 6 p.m. ...	40	30	bc, b	2·5	*	Skegness	*	*	*	0·0	*
Aberystwyth, to 6 p.m. ...	44	38	r, c	3·0	0·16	Scarborough, to 6 p.m. ...					
Plymouth, to 9 p.m.... ...	43	31	f, bcp	3·2	0·06	Harrogate, to 6 p.m. ...	38	32	d, o, g	0·0	0·08
Worthing	*	*	*	4·6	*	Manchester, to 9 p.m. ...	40	29	of	0·0	0·01
Brighton		*	*		*	Darwen, to 9 p.m.	35	21	rs, f, of	0·0	0·36
Eastbourne, to 6 p.m. ...		*	*		*	Birmingham, to 9 p.m. ...	35	29	f	0·0	–
Hastings		*	*	0·0	*						

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 5th Decr., 1903.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	STATIONS.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.
Copenhagen	36	32	o, o	–	Algiers	57	50	c, c	–
Utrecht...	34	30	s, f	0·04	Tunis	68	41	o, f	0·04
Groningen	Not	rec^d			Madeira (Funchal)	Not	rec^d		
Vienna	34	30	f, o	0·35	4th Decr 1903	1 p.m.		1 p.m.	Measured 7 a.m.
Marseilles	43	32	b, b	–	Geneva	32	*	bc	–
Florence	46	38	o, r	–	Berne	27	*	b	–
Rome	58	63	o, c	0·12	Coire	28	*	b	–
Naples	60	47	o, c	0·59	Castasegna	32	*	b	–
Palermo	64	46	o, o	0·43	Lugano	41	*	b	–
Malta	68	49	r	0·16	Davos	18	*	b	–

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.‡ (W.E.T.)	6 p.m.
Holland	8 a.m. („ „)	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores { Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

6th Decr. 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	7·49	11·44	3·39
Greenwich	7·51	11·51	3·51
Wick	8·47	12·3	3·20
Valencia	8·35	12·32	4·29

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
„ Weekly „ „ „ £1 10 0 „ Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Tuesday, 8th December, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M. S. L. Ins.	Barometer. Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Temperature. Change since Yesterday. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Temp. Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.78	32	X	0	r	29.92	+.18	29	28	−4	S	2	0	*	34	29	–	*	0.08
	Hernösand ...	29.75	29	X	0	0	29.89	+.12	29	28	+4	X	0	0	*	34	25	–	*	–
	Stockholm ...	29.78	33	X	0	0	29.86	+.15	35	34	−2	NE	2	f	*	39	32	–	*	0.08
	Wisby	29.72	38	X	0	r	29.74	+.11	39	38	0	X	0	0	*	43	37	–	*	0.04
	Karlstad	29.73	31	X	0	0	29.78	+.07	33	32	+1	ENE	2	0	*	*	*	0,s	*	0.04
	Færder (X'iania Fjord)																		*	
	Bodö	29.61	31	E	2	b	29.74	+.23	26	23	−10	E	4	b	1	37	25	–	*	–
	Christiansund ...	29.53	33	ESE	3	b	29.54	+.03	33	29	−4	ESE	4	b	3	37	32	–	*	–
	Skudesnaes ...	29.45	40	SSE	8	0	29.46	−.10	40	36	+1	SE	6	0	5	40	37	c,0	*	*
BRITISH ISLANDS.	Sumburgh Head	28.92	40	S	7	r	29.05	−.12	44	43	+4	SE	6	0	7	44	37	0,r	*	0.17
	Stornoway ...	28.65	46	SW	6	0	28.80	+.01	43	42	+1	S	3	0	3	46	38	p,0	0.0	0.32
	Malin Head ...	28.66	41	S	7	cqp	28.78	+.03	45	43	+1	W	5	cqp	5	45	41	c,cqp	*	0.23
	Blacksod Pt. ...	28.71	47	WSW	8	ogphm	29.01	+.17	47	45	+3	WNW	7	bcqhpm	6	48	42	oghpm	*	0.28
	Valencia	29.11	49	WSW	8	cq	29.29	+.22	50	45	+1	WSW	9	bqm	6	51	45	rhp,cq	1.0	0.14
	Roche's Point ...	29.11	45	WSW	4	c	29.23	+.13	47	45	+1	W	6	c	4	47	36	c	*	0.05
	Parsonstown ...	28.99	43	SW	4	r	29.06	+.07	44	43	+1	W	5	oq	*	46	41	op,r	1.6	0.47
	Donaghadee ...	28.90	43	SW	3	c	28.89	.00	43	41	−4	WNW	3	cqp	3	47	40	–	*	0.08
	Liverpool Obsy.	29.04	42	SW	3	bc	29.04	−.02	44	41	+5	WSW	4	c	3	47	39	cmp,bc	*	0.03
	Holyhead ...	29.01	47	WSW	6	cmu	29.02	+.06	47	45	+2	W	6	cp	4	48	44	bccmu	*	0.11
	Pembroke (St. Ann's)	29.13	49	WSW	7	bc	29.16	+.06	50	48	−1	W	8	oqu	7	52	49	bc,qp	2.1	0.10
	Scilly (St. Mary's)...	29.30	47	W	6	cq	29.44	+.18	47	45	−1	WNW	8	cq	7	49	44	cq	2.4	0.14
	Jersey (St. Aubins)...	29.36	45	W	6	cqrh	29.51	+.02	47	44	+4	WNW	5	cp	5	51	43	r,hq,s,l	0.4	0.38
	Portland Bill ...	29.24	48	WNW	5	c	29.33	+.02	48	45	+4	W	6	cp	4	51	43	cq	*	0.08
	Dungeness ...	29.24	46	SW	7	rq	29.38	−.17	45	44	+3	W	3	bc	4	47	39	r,rq	0.0	0.21
	Wick	28.77	38	SE	6	r	28.85	−.15	44	43	+3	SE	7	ru	5	44	36	–	*	0.15
	Nairn	28.77	38	X	0	bc	28.83	−.11	39	37	0	ESE	1	0	1	39	35	–	*	0.02
	Aberdeen ...	28.88	39	SSW	2	0	28.92	−.22	43	42	+2	SSE	6	rm	5	44	37	oqqr,0	0.0	0.66
	Leith	28.85	44	SSW	3	b	28.88	−.10	43	41	+6	SE	1	c	*	44	33	–	*	0.13
	North Shields ...	28.98	36	SSW	2	0	28.97	−.21	40	39	+5	SSW	4	c	3	40	33	rsp,0	*	0.22
	Spurn Head ...	29.08	37	SSW	5	bc	29.12	−.24	37	36	0	SSW	5	bc	3	39	34	–	*	0.25
	Yarmouth ...	29.09	41	SSW	6	oq	?29.25	−.26	37	35	−2	SW	4	bf	3	41	35	r,oq	*	0.18
	Nottingham ...	29.10	42	SW	2	r	29.14	−.19	41	40	+4	SW	3	c	*	43	35	c,p,bc	0.0	0.14
	Oxford	29.21	40	SW	2	b	29.26	−.09	42	40	+3	S	3	c	*	47	39	r,bc,b	*	0.10
	London (Brixton)...	29.18	43	WNW	3	bc	29.30	−.15	41	40	+1	SSW	2	b	*	46	37	orq,bc,b	0.0	0.16
GERMANY, &c.	The Scaw (Skagen)	29.68	34	S	3	m	29.65	−.01	37	36	+2	SE	4	m	1	37	34	–	*	–
	Fanö	29.58	29	SE	6	0	29.50	−.19	32	31	+5	ESE	4	0	*	36	27	–	*	–
	Cuxhaven ...	29.65	30	S	2	m	29.48	−.24	29	28	+1	SSE	3	0	*	32	28	f	*	–
	The Helder ...	29.37	33	S	3	S	29.31	−.34	35	35	+1	S	1	m	2	36	32	–	*	0.16
	Brussels	*	*	*	*	*	29.47	−.28	38	37	+6	SW	4	r	*	38	31	–	*	0.08
	Berlin	29.76	33	NW	2	0	29.62	−.16	33	33	−1	SE	2	0	*	34	32	–	*	–
	Frankfürt ...	29.65	31	SE	1	c	29.60	−.24	35	32	0	S	3	s	*	37	30	–	*	0.04
	Munich	29.65	28	SE	2	0	29.67	−.12	30	30	0	SW	3	0	*	32	25	–	*	0.04
FRANCE.	C. Gris Nez ...	29.31	38	SSW	6	r	29.39	−.22	46	43	+12	WSW	5	0	5	?	?	–	*	0.20
	Brest	29.43	50	NW	5	c	29.60	+.20	49	45	−2	NW	5	bc	5	54	43	–	*	0.16
	Lorient	29.50	48	NW	6	f	29.64	+.15	50	48	+2	WNW	7	c	7	55	43	–	*	0.47
	Rochefort ...	29.61	52	WNW	5	b	29.75	+.06	50	48	+9	W	5	c	*	54	41	r,b	*	0.49
	Biarritz	29.84	58	W	5	c	29.97	+.21	54	52	+10	WNW	5	r	5	58	44	c,f	*	0.51
	Paris	29.49	36	S	3	r	29.57	−.21	36	36	+5	SSW	3	b	*	40	31	–	*	0.04
	Belfort	29.65	31	ENE	4	m	29.65	−.18	36	36	+6	SW	4	r	*	38	28	–	*	0.20
	Lyons	29.74	33	S	2	0	29.81	−.05	37	35	+5	SSW	1	r	*	40	32	–	*	0.04
	Nice	29.75	41	E	1	bc	29.67	+.13	40	36	+2	ENE	3	bc	2	50	36	–	*	–
	Perpignan ...	29.80	44	X	0	r	29.88	+.12	50	46	+7	NW	2	0	*	50	41	–	*	0.12
SPAN. PEN.	Corunna																		*	
	Lisbon	30.19	59	NW	4	b	30.26	+.12	55	54	−3	NW	3	b	*	61	54	–	*	0.04
	Azores (P. Delgada)	30.36	63	W	4	b	30.34	−.02	62	60	−1	W	4	bc	3	66	61	–	*	–
	,, (Horta) ...	30.32	64	SW	4	0	30.31	−.01	64	62	+1	SW	4	0	2	66	63	–	*	–

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone.*

* *Observations for this column not generally received.*

† *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR *Tuesday, 8th December, 1903.*

I. BAROMETER, WIND AND SEA. *This Morning.*

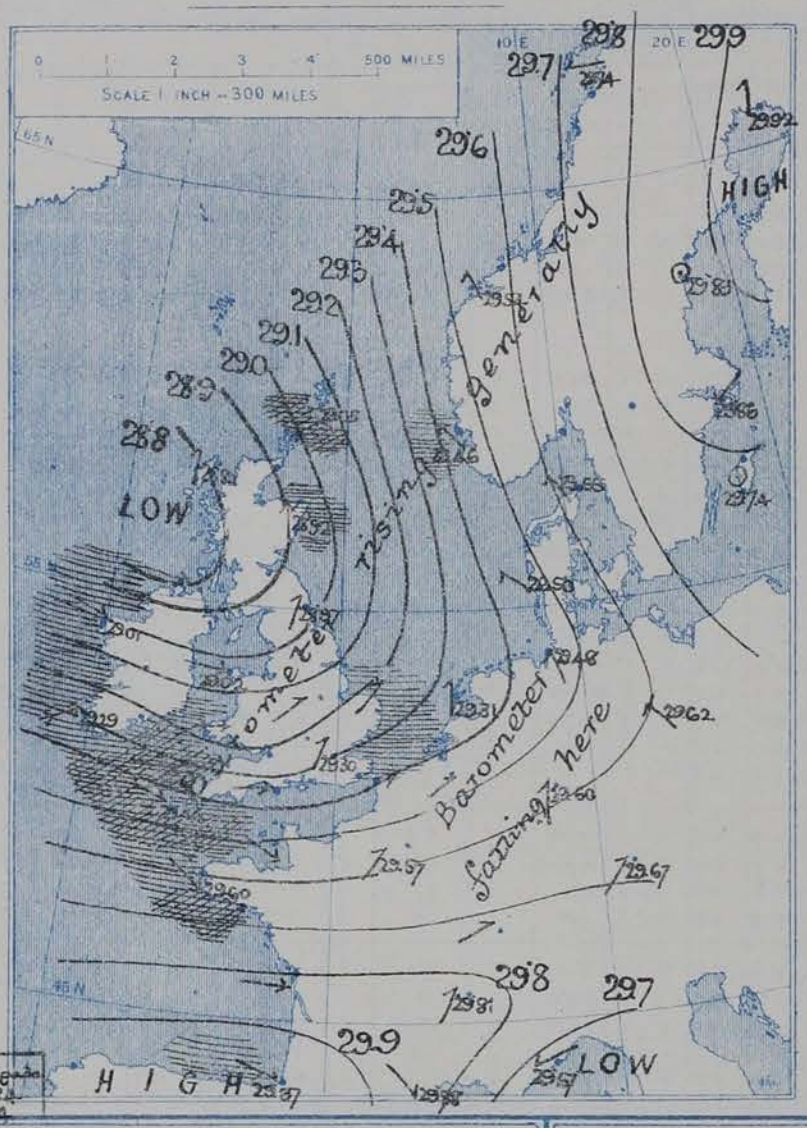
BAROMETER.—Isobars are drawn for each tenth of an inch

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ——→ : *Force 5 to 7* ——→ : } Calm ⊙

Force 8 to 10 ——→ : *Force 1 to 4* ——→ :

SEA.—Rough *High*



II. TEMPERATURE AND WEATHER. *This Morning.*

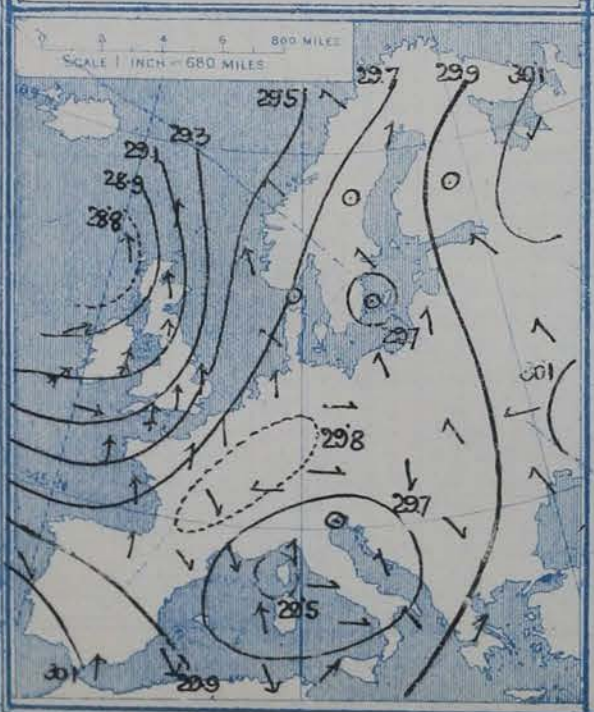
TEMPERATURE.—Isotherms are drawn for each 10°

WEATHER.—Shown by Letters of the Beaufort Scale. *(See P. 4.)*

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus - 0·6

III. BAROMETER AND WIND

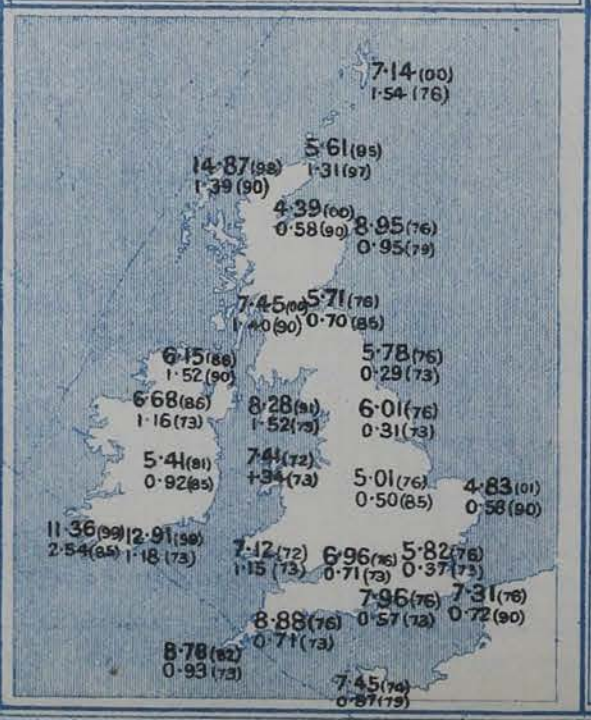
Yesterday morning.



IV. GREATEST AND LEAST MONTHLY RAINFALL IN DECEMBER

During the 32 Years 1871–1902.

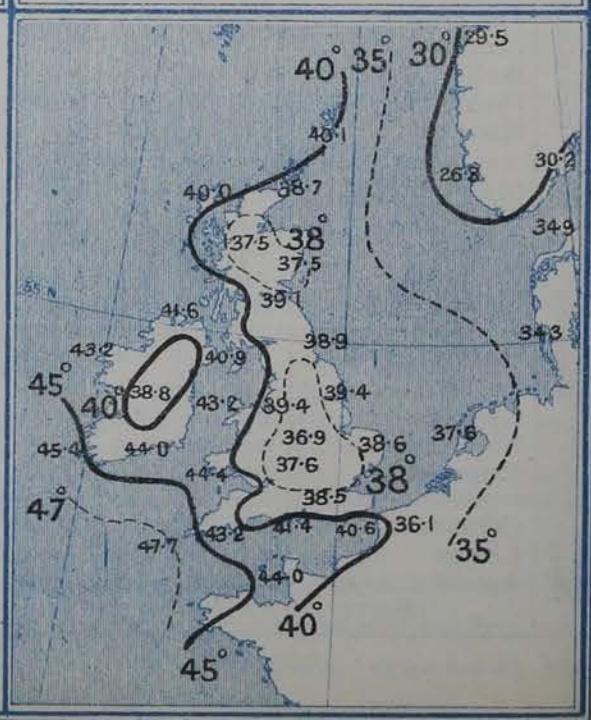
Specimen for LONDON { *Greatest Rainfall* 5·82 (IN 1876) / *Least* ..... *Do.* ..... 0·37 (IN 1873)



V. *Means of* DAILY TEMPERATURE

at 8 A.M. for the monthly period

DECEMBER. *(1871–1900)*



GENERAL SITUATION AT 8 A.M.

PRESSURE

In the course of the past night a deep cyclonic system has rapidly approached our western coasts, travelling on a northeasterly course, and causing a decided fall of the barometer all over our Islands. The centre is at present situated outside the northwest coasts, with the barometer below 28·7 ins., and there is a steep gradient for winds from between S. and W. A slight rise of the barometer is now taking place at the Irish stations, immediately in the rear of the centre.

WIND

S.W.ly winds, ranging from a light breeze to a fresh gale, are reported over Ireland, after a fresh to whole S.ly gale in the night, the direction over Britain being S.W.ly to S.E.ly, blowing a moderate to fresh gale on the western coasts and on the western half of the English Channel, and fresh or strong breezes generally in the eastern districts. At most of the Continental stations S.ly winds prevail, but in few localities is the force of a moderate breeze exceeded at present.

TEMPERATURE

Temperature has recovered quickly at the home stations, and to a less marked extent up the Norwegian coast, while a decline has taken place at most of the French and German stations. The readings now range from 35° at Shields and 37° at Nottingham and Leith to 49° at Valencia and 51° at Pembroke; from 25° at Hernösand, 27° at Fanö and 28° at Cuxhaven to 48° at Lorient and 51° at Brest.

WEATHER AND SEA

Very unsettled weather prevails, generally dull and overcast, with squalls and rain in many places, sleet at Leith and hail showers at Blacksod Point. On the Continent it is more variable, but rain or snow is falling at several stations. At Valencia and Donaghadee 0·6in. of rain has fallen. A very high sea is running on the Minch, and it is rough or rather rough generally on the southern and western coasts.

The maximum temperatures recorded during the past 24 hours occurred in the night or this morning in many instances, at the north-eastern stations they were below 40°. Yesterday afternoon Darwen and Margate did not exceed 33°, Aberdeen 34°, and Eastbourne 35°. The duration of bright sunshine exceeded 4 hours at Pembroke, Scilly and Harrogate, but some neighbourhoods had none.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The deep disturbance in the west is moving on a N.E.ly course, and will pass beyond Scotland in the course of the coming 24 hours, but there are indications in the southwest pointing to the approach of another depression, probably a secondary, and the unsettled, windy conditions are therefore likely to continue for the present.

FORECASTS*

For the 24 hours ending at NOON on 8TH DECEMBER, 1903

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	S.ly to W.ly strong winds and gales, moderating later; changeable, unsettled, some rain or sleet.
1 SCOTLAND EAST	
2 ENGLAND N.E.	
3 ENGLAND EAST	S.ly strong winds and gales; squally, unsettled, with some rain.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	Same as Nos. 0 to 2.
7 ENGLAND N.W.	
8 ENGLAND S.W	W.ly to S.ly strong winds and gales; squally, unsettled and rainy.
9 IRELAND NORTH	S.W.ly strong winds and gales; moderating later; squally, dull and rainy. Some hail or sleet.
10 IRELAND SOUTH	
WARNINGS	At 6.50 p.m. yesterday to districts 6 to 10 and part of 0, and at 9.30 a.m. today to districts 1, 2, 3, 5 and the remainder of 0. "Hoist South Cone."

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph; see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.					This Morning 8 a.m.									Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind Direc.	Wind Force	Weather.	Barometer. Ins.	Barometer. Change	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direc.	Wind Force	Weather.	Sea.	Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*		*	39	27	sm, f, c	0·0	?
Bath	29.62	32	S	1	m	29.28	− ·23	43	42	+ ·12	S	4	r	*	44	27	–	1·5	0·03

REPORTS FOR YESTERDAY.

STATIONS.	Temperture F. Max.	Temperture F. Min.	Weather.	Sunshine Hrs.	Rainfall. Ins.	STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine Hrs.	Rainfall. Ins.
Southport, to 9 p.m.... ...	36	29	cf, rg, c	0·0	0·01	Broadstairs...	*	*	*		*
Rhyl, to 6 p.m.	*	*	*	2·5	*	Margate	33	31	c	0·0	0·04
Llandudno...	*	*	*	3·2	*	Lowestoft, to 6 p.m.... ...					
Bettws-y-Coed, to 6 p.m. ...	42	30	*	3·1	*	Skegness	*	*	*		*
Aberystwyth, to 6 p.m. ...	40	35	c	2·0	0·06	Scarborough, to 6 p.m. ...	38	*	*	0·0	*
Plymouth, to 9 p.m.... ...						Harrogate, to 6 p.m. ...	37	24	o, b	4·8	–
Worthing	*	*	*	0·0	*	Manchester, to 9 p.m. ...	36	29	of, b	0·0	–
Brighton	37	*	*	0·0	*	Darwen, to 7 p.m.	33	23	f, co, cm	0·0	–
Eastbourne, to 6 p.m. ...	35	*	*	0·0	*	Birmingham, to 9 p.m. ...	38	29	b, f, c, b	0·5	–
Hastings	*	*	*	0·0	*						

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 6th Nov. 1903	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	STATIONS.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.
	Information		not received.						
Copenhagen					Algiers				
Utrecht...					Tunis				
Groningen					Madeira (Funchal)				
Vienna...					5th Nov. 1903.	1 p.m.		1 p.m.	Measured 7 a.m.
Marseilles					Geneva	32	*	s	–
Florence					Berne	32	*	o	–
Rome					Coire	37	*	o	–
Naples					Castasegna	37	*	o	–
Palermo					Lugano	39	*	o	–
Malta					Davos	30	*	o	–

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.‡ (W.E.T.)	6 p.m.
Holland	8 a.m. („ „)	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores { Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

7th Dec. 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	7.51	11.45	3.39
Greenwich	7.53	11.52	3.51
Wick	8.49	12.4	3.19
Valencia	8.37	12.33	4.29

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
„ Weekly „ „ „ £1 10 0 „ Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 9th December, **1903.**

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. **W. N. SHAW,** *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M. S. L. Ins.	Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Wet Bulb. °	Change since Yesterday. °	Wind. Direc.	Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	30·12	28	S	2	0	30·12	+·20	33	32	+ 4	SE	2	0	*	33	25	–	*	–
	Hernösand ...	29·92	30	✕	0	r	29·89	·00	38	37	+ 9	ENE	6	r	*	38	27	–	*	0·55
	Stockholm ...	29·81	42	✕	0	r	29·94	+·08	36	34	+ 1	SSW	2	8	*	43	34	–	*	0·08
	Wisby	29·82	44	SE	2	0	29·99	+·25	35	33	– 4	SSE	2	8	*	46	35	–	*	–
	Karlstad	29·67	36	SE	2	r	29·82	+·04	35	35	+ 2	SE	2	0	*	*	*	–	*	0·28
	Færder (X'iania Fjord)																		*	
	Bodö	29·85	32	E	6	8	29·75	+·01	36	32	+ 10	E	6	8c	2	36	26	–	*	–
	Christiansund ...	29·59	37	ESE	3	8c	29·42	–·12	38	35	+ 5	✕	0	0	3	39	32	–	*	–
	Skudesnaes ...	29·46	40	ESE	4	0	29·36	–·10	42	39	+ 2	SE	8	0	5	42	37	0	*	*
BRITISH ISLANDS.	Sumburgh Head	29·18	43	SE	7	0	29·10	+·05	42	41	– 2	ESE	5	0	7	45	42	0	*	0·05
	Stornoway ...	29·02	42	NW	2	0	28·95	+·15	41	40	– 2	SSE	3	0	2	45	35	0	1·1	0·12
	Malin Head ...	29·10	46	WNW	6	cgp	28·79	+·01	41	40	– 4	SSE	6	cp	4	46	30	c,cgp	*	0·15
	Blacksod Pt. ...	29·26	48	WNW	5	cm	28·88	–·13	47	43	0	SW	5	8c	5	49	42	8cm,cm	*	0·17
	Valencia	29·43	49	SW	5	0	29·03	–·26	47	44	– 3	SW	5	8c	6	53	46	om,0	0·1	0·40
	Roche's Point ...	29·43	47	W	3	8p	29·10	–·13	46	44	– 1	W	3	8	2	51	44	0,8p	*	0·33
	Parsonstown ...	29·32	46	W	4	8c	29·02	–·04	42	41	– 2	W	6	8g	*	49	40	c,8c,r	1·6	0·30
	Donaghadee ...	29·11	45	W	3	8c	28·93	+·04	45	44	+ 2	SSW	3	or	3	46	41	–	*	0·10
	Liverpool Obsy.	29·19	46	W	5	r	29·02	–·02	42	41	– 2	SE	4	0	?	47	41	op,r	*	0·24
	Holyhead ...	29·21	48	W	8	cgm	29·00	–·02	48	47	+ 1	W	6	cp	4	49	44	c,cgm	*	0·09
	Pembroke (St. Ann's)	29·38	49	W	7	0	29·10	–·06	50	49	0	W	7	oggmu	6	52	39	ogp	0·1	0·40
	Scilly (St. Mary's)...	29·56	49	W	7	cp	29·24	–·20	50	48	+ 3	W	6	cg	6	52	45	cp	2·0	0·19
	Jersey (St. Aubins)...	29·60	49	W	6	cg	29·25	–·26	52	51	+ 5	SSW	5	rm	4	52	46	cgrhp	2·2	0·44
	Portland Bill ...	29·45	48	W	7	c	29·20	– 13	51	51	+ 3	SW	5	df	5	51	47	cgp,c	*	0·25
	Dungeness ...	29·39	49	W	6	8c	29·32	–·06	47	47	+ 2	SSW	7	mg	5	50	45	o,8c	1·4	0·12
	Wick	29·00	45	SE	4	0	28·98	+·13	40	38	– 4	S	1	c	2	45	33	–	*	0·03
	Nairn	29·05	31	E	1	8	28·99	+·16	32	31	– 7	E	1	c	1	42	28	–	*	–
	Aberdeen ...	29·06	42	SSE	2	ompd	29·05	+·13	38	37	– 5	S	2	om	3	44	34	r,odp	0·0	0·02
	Leith	29·05	41	✕	0	m	29·00	+·12	41	40	– 2	SE	1	r	*	46	35	p,m	*	0·03
	North Shields ...	29·07	41	SW	2	mdp	29·07	+·10	43	42	+ 3	S	3	om	2	43	38	c,dpm	*	–
	Spurn Head ...	29·12	37	SW	3	8c	29·19	+·07	42	41	+ 5	S	4	r	2	43	35	–	*	0·03
	Yarmouth ...	29·21	45	SSW	3	r	29·34	+·09	43	42	+ 6	SSW	4	org	4	45	35	8c,r	*	0·06
	Nottingham ...	29·22	43	SW	2	c	29·18	+·04	41	40	0	SE	2	r	*	45	40	r,c	0·0	0·34
	Oxford	29·37	45	W	3	c	29·17	–·09	46	45	+ 4	SSE	3	r	*	48	41	gp,c	*	0·23
	London (Brixton)...	29·35	46	W	2	8c	29·23	–·07	47	46	+ 6	S	5	ogr	*	48	40	op,o,r	0·0	0·14
GERMANY, &c.	The Scaw (Skagen)	29·57	37	SSW	3	m	29·64	–·01	39	39	+ 2	S	5	m	1	39	36	–	*	0·12
	Fanö	29·49	34	SE	6	r	29·50	·00	35	34	+ 3	SE	6	0	*	36	30	–	*	0·04
	Cuxhaven ...	29·52	35	S	3	m	29·58	+·10	36	36	+ 7	S	4	0	*	36	29	f,m	*	–
	The Helder ...	29·33	39	SSW	4	r	29·47	+·16	44	44	+ 9	SSW	4	r	2	45	35	–	*	0·24
	Brussels	*	*	*	*	*	29·59	+·12	40	39	+ 2	S	4	0	*	43	37	–	*	0·20
	Berlin	29·75	33	SSE	3	8c	29·90	+·28	32	31	– 1	SSE	2	8	*	36	30	–	*	–
	Frankfürt ...	29·76	40	SW	1	0	29·82	+·22	42	41	+ 7	S	3	c	*	45	35	–	*	0·04
	Munich	29·85	29	?	2	8	29·95	+·28	28	28	– 2	SW	3	c	*	36	25	–	*	–
FRANCE.	C. Gris Nez ...	29·40	49	SW	6	c	29·43	+·04	44	43	– 2	S	6	r	6	50	43	–	*	0·28
	Brest	29·76	51	WNW	4	c	29·37	–·23	54	54	+ 5	SW	6	f	6	54	48	–	*	0·08
	Lorient	29·73	50	WNW	7	0	29·45	–·19	55	55	+ 5	WSW	6	0	7	55	48	–	*	0·20
	Rochefort ...	29·85	49	WNW	4	c	29·67	–·08	53	49	+ 3	SW	6	r	*	53	45	c	*	0·43
	Biarritz	30·05	55	W	6	r	29·89	–·08	54	54	0	SW	2	r	8	57	50	r8	*	0·32
	Paris	29·69	44	SW	3	0	29·66	+·09	42	41	+ 6	S	3	r	*	47	36	–	*	0·04
	Belfort	29·81	40	WSW	3	0	29·89	+·24	37	35	+ 1	✕	0	c	*	41	36	–	*	0·04
	Lyons	29·91	40	SSE	1	c	29·97	+·16	34	33	– 3	SW	2	c	*	47	31	–	*	0·08
	Nice	29·76	44	✕	0	8c	29·87	+·20	42	33	+ 2	NE	2	8	2	50	36	–	*	–
	Perpignan ...	29·95	51	NW	3	8	29·96	+·08	46	45	– 4	✕	0	0	*	56	45	–	*	0·04
SPAN. PEN.	Corunna																		*	
	Lisbon	30·26	54	W	2	8	30·19	–·07	55	54	0	SW	3	m	*	59	54	–	*	–
	Azores (P. Delgada)	30·28	64	W	5	c	30·24	–·10	64	62	+ 2	W	5	8c	4	66	62	–	*	–
	,, (Horta) ...	30·27	64	✕	0	0	30·28	–·03	59	58	– 5	NNE	4	r	2	68	59	–	*	0·20

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

† *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR WEDNESDAY, 9TH DECEMBER, 1903.

I. BAROMETER, WIND AND SEA. *This Morning.*

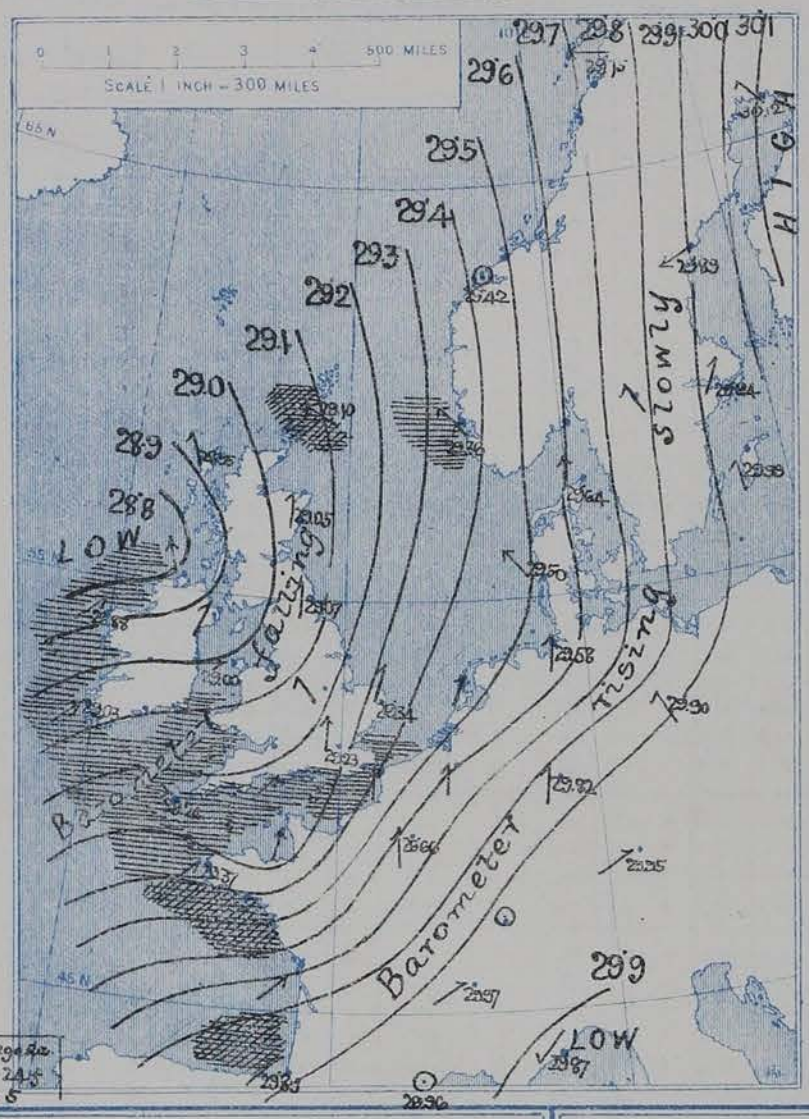
BAROMETER.—Isobars are drawn for each tenth of an inch

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 — *Force 5 to 7* — } Calm ⊙

Force 8 to 10 — *Force 1 to 4* —

SEA.—Rough *High*

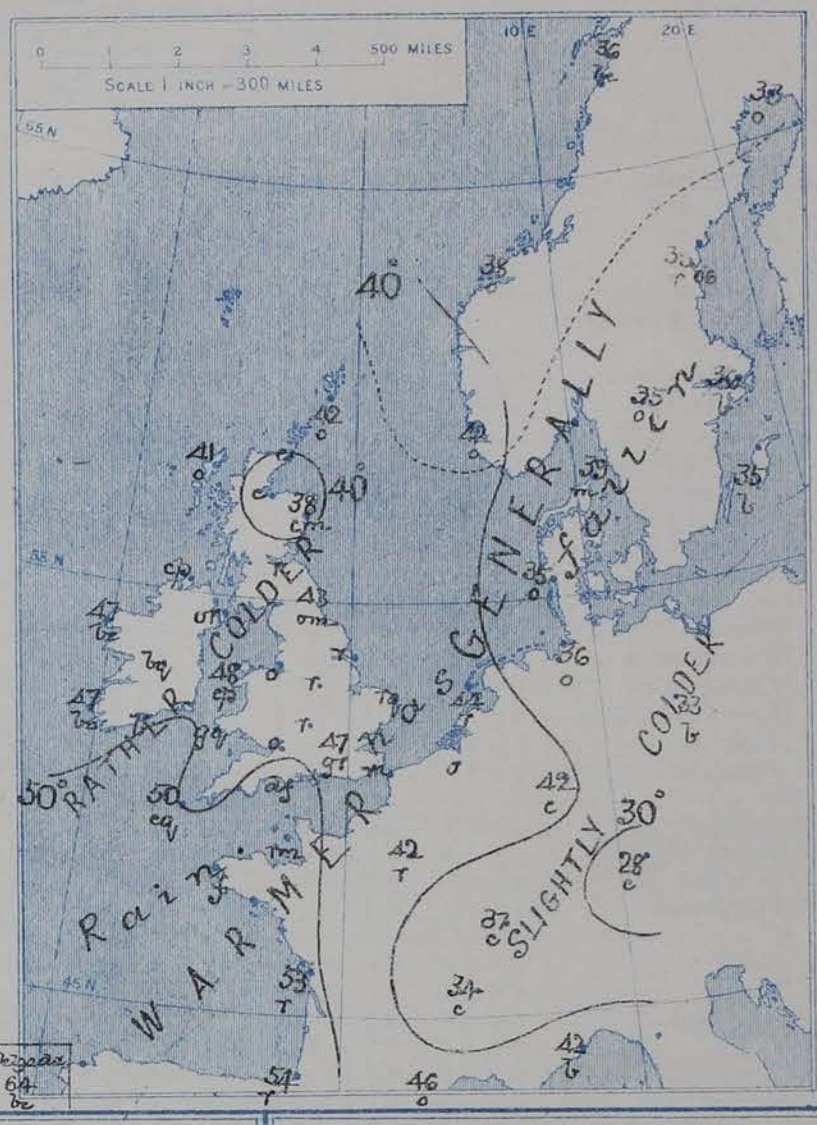


II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°

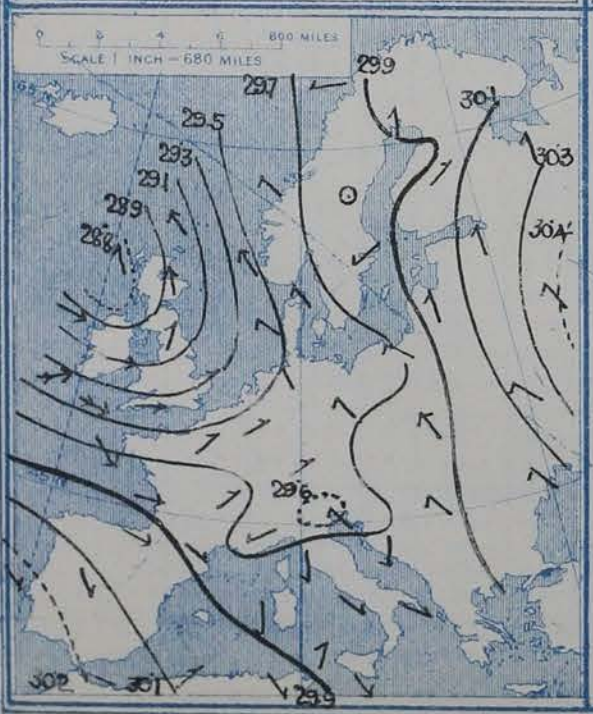
WEATHER.—Shown by Letters of the Beaufort Scale. *(See P. 4.)*

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus - 0·6



III. BAROMETER AND WIND

Yesterday morning.



IV. GREATEST AND LEAST MONTHLY RAINFALL IN DECEMBER

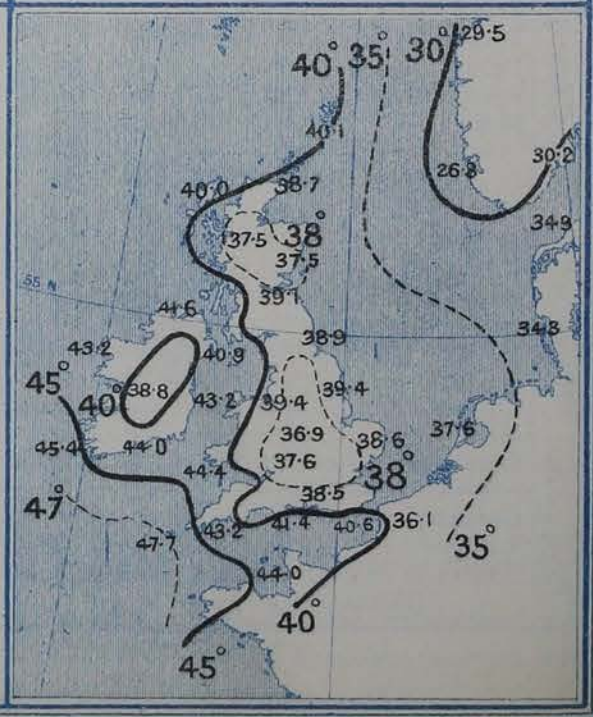
During the 32 Years 1871–1902.

Specimen for LONDON { *Greatest Rainfall* 5·82 (IN 1876); *Least* ..... *Do.* ..... 0·37 (IN 1873)

V. *Means of* DAILY TEMPERATURE

at 8 A.M. for the monthly period

DECEMBER. *(1871–1900)*



GENERAL SITUATION AT 8 A.M.

PRESSURE — Another fall of the barometer occurred at the western stations last night, a reading of 28·6 ins. being recorded at Malin Head. This morning the centre of the cyclonic system is shown to the westward of Scotland, where the mercury is below 28·8 ins. Pressure is now recovering over our western and northern districts, briskly in Ireland, but in the southeast of England it is inclined to give way again. The regions of highest pressure are situated over Spain and Finland where the barometer is above 29·9 ins. The gradients are still steep over our Islands.

WIND — Winds from between W.N.W. and W.S.W. are reported on our western and southwestern coasts, blowing a strong gale at Valencia, a fresh gale at Pembroke and Scilly, and a moderate gale at Blacksod Point, fresh or strong breezes in several other localities. Over Scotland & eastern England the direction is S.E.by to S.W.by, a moderate gale at Wick, and fresh or strong breezes in other places. W.by winds, strong to a gale, prevail on the Bay of Biscay coasts, the direction at the Continental stations drawing round to S.by in Holland and Germany, and S.E.by in Norway, generally light or moderate in force.

TEMPERATURE — Temperature has risen nearly everywhere, and now ranges from 37° at Spurn Head and Yarmouth and 39° at Nairn, to 48° at Portland Bill and 50° at Pembroke and Valencia; from 26° at Bodö and 29° at Haparanda to 50° at Lorient, Rochefort and Perpignan, and 54° at Biarritz.

WEATHER AND SEA — The weather is changeable and unsettled, fair to fine in places, but generally it is dull and squally, with rain at several stations, hail showers at Blacksod Point. It is also very variable at the Continental stations, from clear to rain and snow. A high, rough or rather rough sea is running on many parts of our own coasts and on the Bay of Biscay.

Temperature rose yesterday to 51° at various southern stations and to 52° at Pembroke and Plymouth, while the lowest of the night minima was 33° at Leith and Shields. At most stations there was no bright sunshine, and only Aberystwyth had as much as 3 hours.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The disturbance in the northwest appears to have been joined by another deep one during the night, and the combined system remains almost stationary. The conditions are likely to continue unsettled and windy, moderating gradually later.

FORECASTS*

For the 24 hours ending at NOON on 9th December, 1903

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	S.E.by to S.by winds, strong to moderate; unsettled, changeable, some rain.
1 SCOTLAND EAST	
2 ENGLAND N.E.	S.by to S.W.by winds, fresh to light; changeable, fair to showery, morning fog.
3 ENGLAND EAST	
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	S.by to W.by winds, unsettled, changeable, some rain.
7 ENGLAND N.W.	W.by winds, strong to moderate; showery to fair.
8 ENGLAND S.W.	W.by strong winds and gales; moderating later; changeable, squally, showery to fair.
9 IRELAND NORTH	
10 IRELAND SOUTH	
WARNINGS	The South Cone is still flying on all coasts.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph; see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m. Bar. Ins.	Temp. °	Wind Direc^n	Wind Force	Weather.	This Morning 8 a.m. Barometer. Ins.	Barometer. Change	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direc^n	Wind Force	Weather.	Sea.	Past 24 Hours. Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	b	*	42	36	r, o	0·0	0·08
Bath	29.20	42	SW	5	r	29.27	−·01	45	43	+2	SW	5	r	*	51	40	–	0·6	0·35

REPORTS FOR YESTERDAY.

STATIONS.	Temperture F. Max.	Temperture F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.
Southport, to 9 p.m.... ...	46°	31°	op, c	0·0	0·32	Broadstairs...	*	*	*	0·0	*
Rhyl, to 6 p.m.	*	*	*	1·7	*	Margate	44	29	r, rn, rs, s	0·0	–
Llandudno...	*	*	*	1·4	*	Lowestoft, to 6 p.m.... ...	41	24	orn, or, o	0·0	0·18
Bettws-y-Coed, to 6 p.m. ...	48	32	bcp	1·9	*	Skegness	*	*	*	0·0	*
Aberystwyth, to 6 p.m. ...	49	45	r, c	3·0	0·12	Scarborough, to 6 p.m. ...	38	*	*	1·9	*
Plymouth, to 9 p.m.... ...	52	36	ogr, bcp	2·5	0·42	Harrogate, to 6 p.m. ...	40	26	b, os, b	0·0	0·38
Worthing	*	*	*	0·0	*	Manchester, to 9 p.m. ...	46	33	ogp, bc	0·5	0·16
Brighton	48	*	*	0·0	*	Darwen, to 9 p.m.	40	30	orshg, cm	0·0	0·89
Eastbourne, to 6 p.m. ...	48	*	*	0·0	*	Birmingham, to 9 p.m. ...	43	30	r, p, o	0·0	0·18

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 7th Decr. 1903.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	STATIONS.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.
Copenhagen	36	34	o, m	–	Algiers	61	52	c, c	0·20
Utrecht...	36	19	c, f	0·04	Tunis	66	41	o, o	0·04
Groningen	34	21	o, f	0·04	Madeira (Funchal)	Not	rec^d		
Vienna	43	36	r, r	0·63	6th Decr. 1903	1 p.m.		1 p.m.	Measured 7 a.m.
Marseilles	50	34	b, b	–	Geneva	Obsrs	not	rec^d	
Florence	55	40	o, c	1·14	Berne		*		
Rome	58	48	r, r	0·55	Coire		*		
Naples	58	47	r, r	0·32	Castasegna		*		
Palermo	66	46	r, o	0·28	Lugano		*		
Malta	63	53	o	0·08	Davos		*		

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.‡ (W.E.T.)	6 p.m.
Holland	8 a.m. (" ")	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores { Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

8th Decr. 1903.	Sunrise G.M.T.	Noon G.M.T	Sunset G.M.T.
Yarmouth	7.52	11.45	3.38
Greenwich	7.54	11.52	3.50
Wick	8.50	12.4	3.18
Valencia	8.38	12.33	4.28

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " £1 10 0 " Single Copies, 3d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Thursday, 10th December, **1903.**

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. **W. N. SHAW.** *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M. S. L. Ins.	Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Wet Bulb. °	Change since Yesterday. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Temp. Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	30·11	33	S	2	r	30·17	+·05	33	32	0	S	2	r	*	34	27	–	*	0·12
	Hernösand ...	30·01	36	N	0	0	30·01	+·12	37	35	–1	N	0	0	*	39	32	–	*	–
	Stockholm ...	30·00	38	N	0	0	29·96	+·02	42	41	+6	SE	2	r	*	43	36	–	*	0·04
	Wisby	30·05	39	N	0	3c	29·88	–·11	41	41	+6	S	4	r	*	41	34	–	*	0·20
	Karlstad	29·81	37	SE	4	0	29·76	–·06	37	36	+2	ENE	2	0	*	*	*	0, r	*	0·04
	Færder (X'iania Fjord)																		*	
	Bodö	29·75	40	E	6	3c	29·77	+·02	40	36	+4	E	4	3c	2	40	36	–	*	–
	Christiansund ...	29·44	44	ESE	2	c	29·43	+·01	44	38	+6	E	5	c	3	45	38	–	*	–
	Skudesnaes ...	29·37	43	SE	8	0	29·33	–·03	43	40	+1	ESE	6	c	5	43	41	0	*	*
BRITISH ISLANDS.	Sumburgh Head	29·05	44	SE	4	0	28·98	–·12	43	43	+1	S	2	0	5	45	41	0	*	0·11
	Stornoway ...	28·87	45	SE	4	0	28·95	·00	36	35	–5	W	2	3c	2	45	34	r, 0	0·0	0·02
	Malin Head ...	28·79	43	S	5	c	28·85	+·06	44	43	+3	ESE	4	op	3	45	39	3c, c	*	0·01
	Blacksod Pt. ...	28·70	45	S	5	c	28·92	+·04	44	42	–3	NNW	4	or	4	47	40	cp, c	*	0·36
	Valencia	28·81	45	SW	5	cgp	28·97	–·06	47	43	0	WNW	6	cgp	6	49	43	hp, tlr	0·4	0·40
	Roche's Point ...	28·93	48	SW	4	3	28·92	–·18	45	43	–1	W	4	c	4	48	41	3c, p, 3	*	0·16
	Parsonstown ...	28·86	42	SW	3	c	28·87	–·15	40	39	–2	W	1	ou	*	47	38	cp, c	1·5	0·08
	Donaghadee ...	28·92	43	SW	3	c	28·84	–·09	46	44	+1	SSE	3	cg	4	46	40	–	*	0·38
	Liverpool Obsy.	29·04	43	SW	3	r	28·94	–·08	41	39	–1	SE	3	0	3	48	39	op, r	*	0·04
	Holyhead ...	28·98	48	WSW	5	3c	28·84	–·16	44	43	–4	SE	4	cmu	3	49	42	c, 3c	*	0·32
	Pembroke (St. Ann's)	29·06	49	SW	7	0	28·89	–·21	48	47	–2	W	6	cgpu	6	51	42	o, gp	1·7	0·44
	Scilly (St. Mary's)...	29·22	50	WSW	7	cp	29·00	–·24	50	48	0	WSW	6	cp	7	53	47	cp, 3	3·6	0·17
	Jersey (St. Aubins)...	29·40	50	W	5	c	29·25	·00	48	45	–4	SSW	7	ogp	6	55	45	c, p	1·1	0·28
	Portland Bill ...	29·26	49	WSW	5	op	29·09	–·11	45	43	–6	SW	7	r	5	52	42	3, p, rhg	*	0·47
	Dungeness ...	29·30	49	W	6	3g	29·27	–·05	48	46	+1	SSW	6	3c	5	51	44	c, 3g	0·8	0·20
	Wick	28·93	40	S	2	0	28·95	–·03	39	38	–1	S	2	3c	2	45	35	–	*	0·16
	Nairn	28·90	36	N	0	0	28·97	–·02	29	28	–3	W	1	3c	1	39	26	–	*	–
	Aberdeen ...	28·94	42	SSW	3	mop	29·04	–·01	33	33	–5	W	1	3c	2	44	31	or, omp	0·0	0·07
	Leith	28·93	40	N	0	m	28·98	–·02	40	39	–1	ESE	1	c	*	44	37	r, m	*	0·09
	North Shields ...	28·99	41	SSW	1	3m	29·03	–·04	38	37	–5	SW	2	cm	2	43	36	r, o, 3m	*	0·05
GERMANY, &c.	Spurn Head ...	29·10	43	SW	4	3c	29·09	–·10	42	41	0	S	5	3c	3	45	38	–	*	0·03
	Yarmouth ...	29·18	46	W	3	3	29·23	–·11	45	43	+2	S	4	3c	4	48	41	om, 3	*	0·31
	Nottingham ...	29·12	44	SW	2	3	29·06	–·12	41	40	0	SE	3	3	*	50	39	3c, 3	0·4	0·03
	Oxford	29·22	45	SW	3	3c	29·08	–·09	44	42	–2	S	4	op	*	50	41	r, 3c, p	*	0·18
	London (Brixton)...	29·25	46	WSW	3	3	29·16	–·07	47	45	0	S	5	0	*	53	41	or, 3cp	0·8	0·20
	The Scaw (Skagen)	29·65	41	S	5	m	29·58	–·06	40	39	+1	S	5	r	2	41	39	–	*	–
	Fanö	29·43	37	SE	8	r	29·50	·00	38	37	+3	SE	4	0	*	39	35	–	*	0·08
	Cuxhaven ...	29·52	39	S	5	0	29·53	–·05	39	39	+3	S	3	0	*	41	36	0, r	*	0·10
	The Helder ...	29·22	46	SSW	6	0	29·38	–·09	41	41	–3	SSW	1	3	2	46	39	–	*	0·43
	Brussels	*	*	*	*	*	29·48	–·11	44	42	+4	SSE	2	3c	*	47	39	–	*	0·12
	Berlin	29·83	35	SE	1	3	29·75	–·15	35	33	+3	SE	2	3	*	39	32	–	*	–
	Frankfürt ...	29·68	41	SW	1	0	29·70	–·12	42	42	0	N	0	0	*	46	39	–	*	0·16
	Munich	29·82	26	SSW	5	3	29·78	–·17	33	32	–5	SE	2	0	*	34	23	–	*	–
FRANCE.	C. Gris Nez ...	29·33	48	WSW	6	3	29·32	–·11	45	43	+1	S	5	3	5	52	43	–	*	0·43
	Brest	29·43	50	W	5	0	29·19	–·18	50	48	–4	WSW	6	r	7	54	46	–	*	0·12
	Lorient	29·49	53	W	5	c	29·31	–·14	50	49	–5	SW	7	0	7	55	46	–	*	0·20
	Rochefort ...	29·65	52	WSW	5	3c	29·57	–·10	52	49	–1	WSW	6	0	*	57	46	3c, r	*	0·24
	Biarritz	29·78	59	N	0	0	29·75	–·14	52	51	–2	SW	2	c	4	59	50	–	*	0·32
	Paris	29·52	48	WSW	2	c	29·52	–·14	46	45	+4	SSW	4	c	*	53	42	–	*	0·43
	Belfort	29·72	40	ENE	2	r	29·68	–·21	45	45	+8	W	4	r	*	46	37	–	*	0·24
	Lyons	29·83	42	SSW	2	r	29·74	–·23	46	45	+12	SSW	2	r	*	46	34	–	*	0·35
	Nice	29·88	46	E	2	c	29·89	+·02	45	39	+3	E	1	0	3	55	39	–	*	–
	Perpignan ...	29·88	46	N	0	3	29·73	–·23	48	47	+2	SW	1	0	*	58	41	–	*	–
SPAN. PEN.	Corunna																		*	
	Lisbon	30·02	58	SW	5	r	30·01	–·18	56	50	+1	?WNW	3	3c	*	59	52	–	*	0·39
	Azores (P. Delgada)																		*	
	„ (Horta) ...	30·45	56	NNE	4	3	30·48	+·20	57	50	–2	NNE	4	3c	2	64	55	–	*	–

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.* † *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR Thursday, 10th December, 1903.

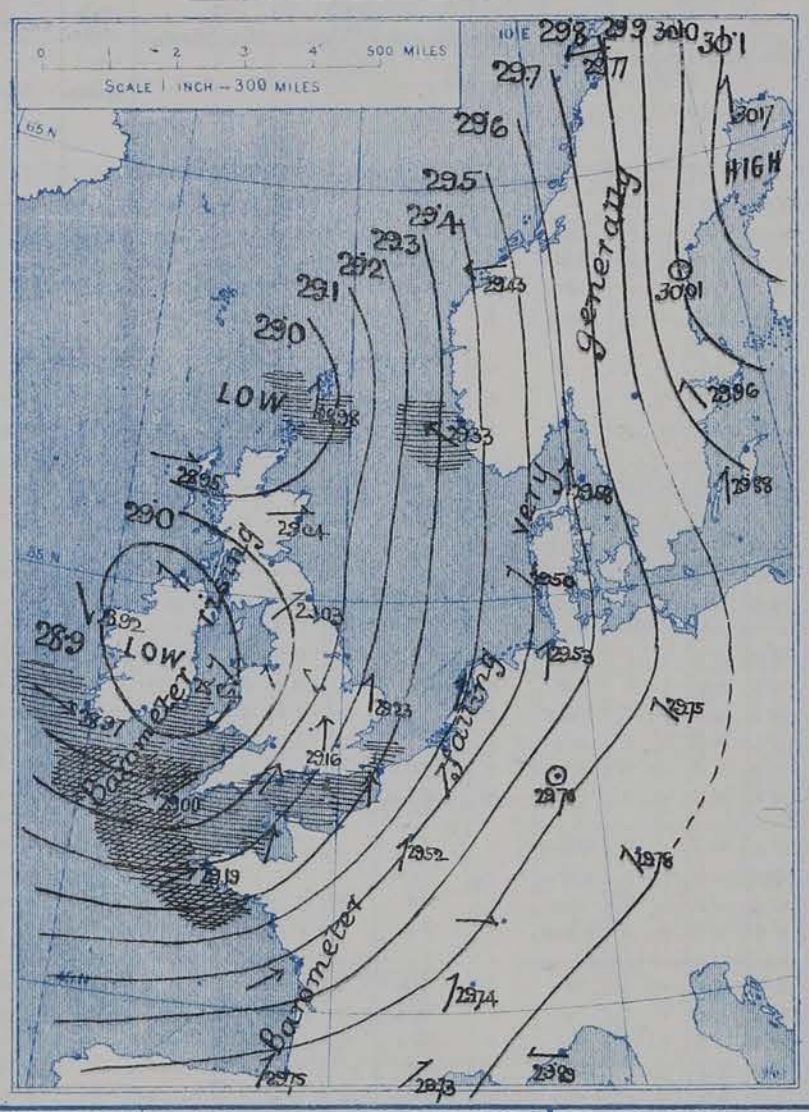
I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ——→ ; *Force 5 to 7* ——→ ; *Force 8 to 10* ——→ ; *Force 1 to 4* ——→ ; } Calm ⊙

SEA.—Rough ▒ *High* ▓

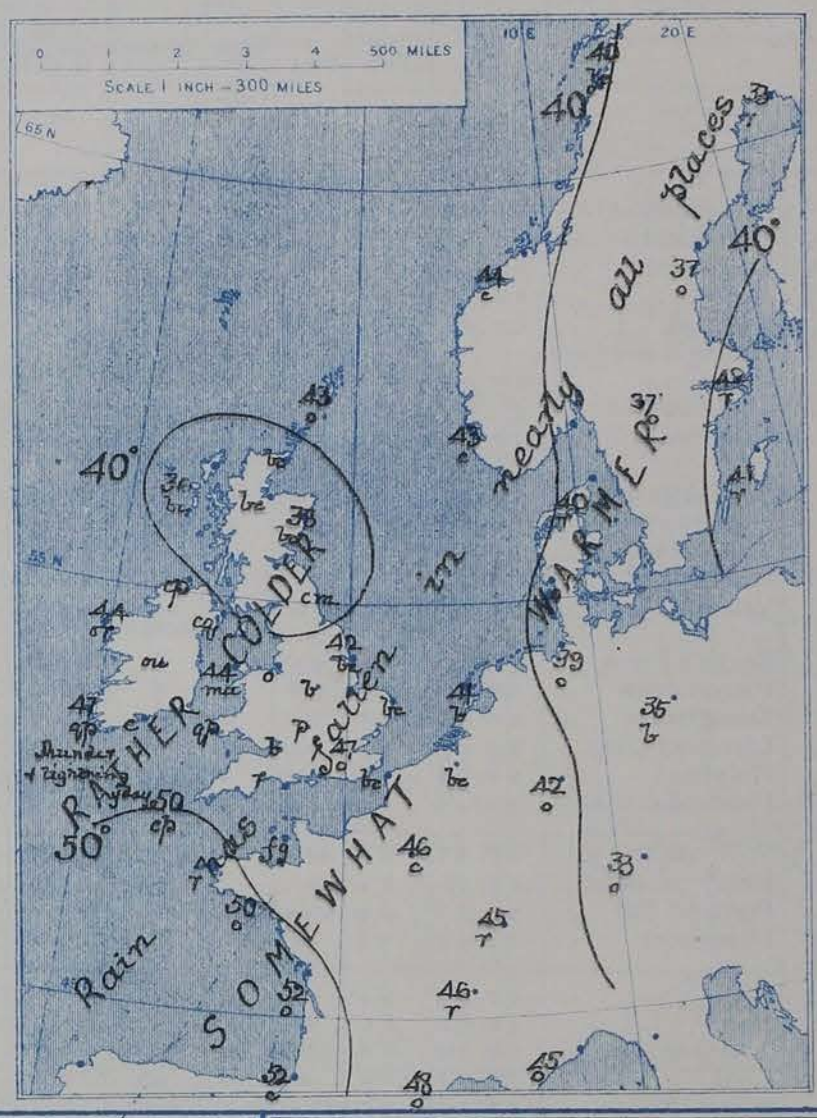


II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.

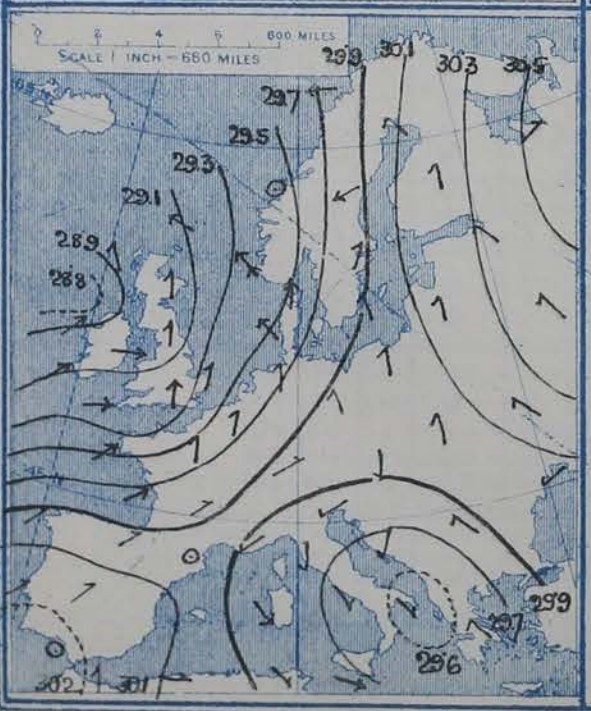
WEATHER.—Shown by Letters of the Beaufort Scale. *(See P. 4.)*

RAINFALL.— *A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus - 0·6*



III. BAROMETER AND WIND

Yesterday morning.



IV. GREATEST AND LEAST MONTHLY RAINFALL IN DECEMBER

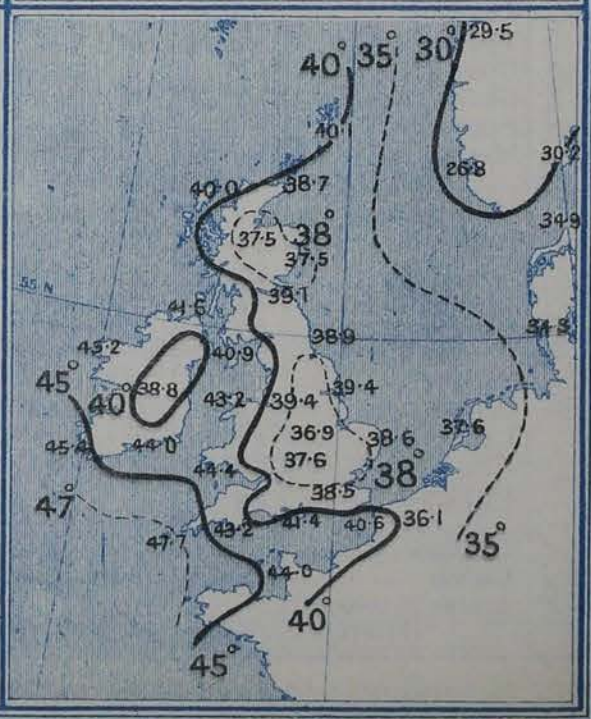
During the 32 Years 1871–1902.

Specimen for LONDON { *Greatest Rainfall* 5·82 (IN 1876) ; *Least* ..... *Do.* ..... 0·37 (IN 1873)

V. *Means of* DAILY TEMPERATURE

at 8 A.M. for the monthly period

DECEMBER. *(1871–1900)*



GENERAL SITUATION AT 8 A.M.

PRESSURE

Another very deep cyclonic system has advanced towards our western coasts during the past night, the barometer sinking to 28·65 ins. in the north of Ireland. The centre has since backed a little to the northwestward, but the barometer is still below 28·8 ins at Malin Head, and it is below 29 ins. at most of the northwestern and northern stations. The disturbance is attended by small secondaries, which are moving eastward across the southern districts and along the English Channel. At the northern extremity of the Gulf of Bothnia the barometer is above 30·1 ins. The isobar of 29·9 ins embraces the whole of northwestern and western Europe.

WIND

Moderate to light S.ly to S.E.ly breezes are reported over Scotland and the east of England, most other districts having fresh or strong winds from between W. and S., a moderate gale at Pembroke and Dungeness. Along the Continental coasts, from the Bay of Biscay round to Norway, S.W.ly to S.E.ly winds, strong to a gale, prevail, the force at the inland stations being mostly light.

TEMPERATURE

Temperature has declined in Ireland, Scotland and the south of France, risen in nearly all other localities. The readings range from 32° at Nairn and 38° at Aberdeen to 51° at Portland Bill and 52° at Jersey; from 28° at Munich and 32° at Berlin to 53° at Rochefort and 54° at Biarritz and Brest.

WEATHER AND SEA

The weather is very variable, temporarily fair or fine at most western and northern stations, but generally squally, dull and gloomy, with rain in many places, and mist or fog about the south and northeast coasts. Rain is falling in most parts of France and the Low Countries, and locally in Sweden, but from Berlin to Stockholm the sky is cloudless. The sea is rather rough to high on several parts of the southern, western and northern coasts, and on the Bay of Biscay.

Yesterday afternoon temperature rose to between 50° and 53° at many southern stations, but only to 42° at Nairn and 41° at Scarborough. There was little or no bright sunshine, 4 hours at Clacton and 2·2 hours at Jersey and Broadstairs being the highest records.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

With the deep depression in the N.W., and its secondaries in the S., and the probability that others are approaching from the Atlantic, the conditions are likely to remain very changeable and unsettled over our Islands generally, with strong winds or gales in many southern localities, and rain in all districts. Mild.

FORECASTS*

For the 24 hours ending at NOON on 10th December, 1903

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	Light to fresh S.ly to E.ly breezes; dull to rainy.
2 ENGLAND N.E.	Freshening S.ly winds; dull to rainy.
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	S.W.ly to S.E.ly winds, increasing to a gale; changeable, some rain.
6 SCOTLAND WEST	S.ly to W.ly winds, freshening; dull to rainy.
7 ENGLAND N.W. 8 ENGLAND S.W 9 IRELAND NORTH 10 IRELAND SOUTH	S.W.ly to N.W.ly winds, strong to a gale; moderating later; changeable, some rain.
WARNINGS	At 7.15 p.m. yesterday to districts 7 to 10 "Keep up Cone." At 9.30 a.m. today to districts 3 and 5 "Hoist South Cone."

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph; see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.					This Morning 8 a.m.									Past 24 Hours.				
	Bar. Ins	Temp.	Wind Direc^n	Wind Force	Weather.	Barometer. Ins.	Barometer. Change	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direc^n	Wind Force	Weather.	Sea.	Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	r	*	44	37	b, bc	4.0	0.02
Bath	29.37	47	SW	6	0	29.13	-.14	50	49	+5	S	3	0	*	51	40	-	0.0	0.34

REPORTS FOR YESTERDAY.

STATIONS.	Temperture F. Max.	Temperture F. Min.	Weather.	Sunshine Hrs.	Rainfall. Ins.	STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine Hrs.	Rainfall Ins.
Southport, to 9 p.m.... ...	47	40	op, o	0.1	0.16	Broadstairs...	*	*	*	2.2	*
Rhyl, to 6 p.m.	*	*	*	1.1	*	Margate	50	*	bc, o	2.0	*
Llandudno...	*	*	*	0.0	*	Lowestoft, to 6 p.m.... ...	45	34	bc, r, o	0.2	0.03
Bettws-y-Coed, to 6 p.m. ...	49	42	o, bc, or	0.0	*	Skegness	*	*	*	0.0	*
Aberystwyth, to 6 p.m. ...	49	45	or, c	0.0	0.18	Scarborough, to 6 p.m. ...	41	*	*	0.0	*
Plymouth, to 9 p.m.... ...	50	43	op, oqp, bcp	0.4	0.09	Harrogate, to 6 p.m. ...	44	36	or, c, or	0.0	0.22
Worthing	*	*	*	0.6	*	Manchester, to 9 p.m. ...	46	38	ou, r	0.0	0.57
Brighton	49	*	*	0.9	*	Darwen, to 9 p.m.	43	30	c, omr, om	0.0	0.35
Eastbourne, to 6 p.m. ...	50	*	*	0.5	*	Birmingham, to 9 p.m. ...	44	36	o, r, c, b	0.0	0.26

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 8th Decr. 1903.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	STATIONS.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.
Copenhagen	37	34	m, *	?	Algiers	61	55	o, c	-
Utrecht...	36	30	s, b	0.16	Tunis	59	41	o, o	0.04
Groningen	34	27	o, m	-	Madeira (Funchal)	Not	rec^d		
Vienna	41	32	o, o	0.12	7th Decr. 1903	1 p.m.		1 p.m.	Measured 7 a.m.
Marseilles	48	39	o, o	-	Geneva	39	*	o	0.47
Florence	50	38	b, o	-	Berne	36	*	s	0.16
Rome	54	39	b, c	-	Coire	36	*	o	0.08
Naples	55	45	bc, c	-	Castasegna	36	*	f	0.43
Palermo	59	39	o, o	0.16	Lugano	37	*	f	0.51
Malta	60	45	c	0.39	Davos	27	*	s	0.20

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.‡ (W.E.T.)	6 p.m.
Holland	8 a.m. (" ")	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores { Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

9th Decr. 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	7.53	11.45	3.38
Greenwich	7.55	11.52	3.50
Wick	8.52	12.4	3.17
Valencia	8.39	12.33	4.28

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " " £1 10 0 " Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Friday, 11th December, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins.	Barometer. Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Temperature. Change since Yesterday. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Temp. Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	30·19	34	S	2	r	30·32	+·15	32	31	− 1	S	2	0	*	34	30	–	*	0·04
	Hernösand ...	30·03	37	S	4	r	30·13	+·12	37	36	0	SE	4	0	*	41	34	–	*	0·20
	Stockholm ...	30·03	38	N	0	0	30·08	+·12	37	36	− 5	SE	4	0	*	42	37	–	*	0·04
	Wisby	30·05	38	S	4	0	30·05	+·17	35	33	− 6	SE	4	0	*	43	36	–	*	–
	Karlstad	29·85	38	SE	2	0	29·87	+·11	36	35	− 1	SE	2	0	*	*	*	–	*	0·24
	Færder (X'iania Fjord)																		*	
	Bodö	29·78	41	ESE	4	c	29·86	+·09	41	36	+ 1	ESE	4	8	1	41	36	–	*	–
	Christiansund ...	29·51	43	ESE	3	c	29·63	+·20	46	39	+ 2	ESE	2	8c	3	46	41	–	*	–
	Skudesnaes ...	29·47	44	ESE	6	0	29·45	+·12	44	42	+ 1	ESE	6	c	5	45	41	0	*	*
BRITISH ISLANDS.	Sumburgh Head	29·14	44	S	4	0	29·14	+·16	45	43	+ 2	SE	4	r	?	45	41	0	*	0·06
	Stornoway ...	29·01	33	N	0	c	29·02	+·07	40	40	+ 4	WNW	2	r	2	42	30	c	1·9	0·13
	Malin Head ...	28·97	42	E	2	8mp	29·05	+·20	41	40	− 3	N	0	0p	2	44	40	0,8mp	*	0·02
	Blacksod Pt. ...	29·07	45	NW	4	cp	29·05	+·13	44	43	0	NNW	3	0	4	47	41	cp	*	0·52
	Valencia	29·22	47	WNW	7	0gp	29·23	+·26	43	41	− 4	WSW	6	p	6	49	41	8p, 0gp	0·3	0·30
	Roche's Point ...	29·15	45	NW	3	8cpg	29·22	+·30	42	40	− 3	W	4	0	2	47	40	8c, 8cgp	*	0·07
	Parsonstown ...	28·88	42	W	3	c	29·10	+·23	38	37	− 2	SW	1	0	*	44	36	0, c	0·0	–
	Donaghadee ...	28·94	44	ESE	3	r	29·07	+·23	40	39	− 6	NW	1	c	1	46	38	–	*	0·24
	Liverpool Obsy.	28·96	41	S	1	r	29·17	+·23	41	40	0	SSW	2	c	2	45	40	0pm, r	*	0·10
	Holyhead ...	28·95	44	W	3	0gmp	29·12	+·28	45	43	+ 1	W	3	cm	2	46	42	c, 0gpm	*	0·20
	Pembroke (St. Ann's)	29·05	46	WNW	5	c	29·22	+·33	47	43	− 1	WSW	6	8cgqpr	5	50	45	–	0·1	0·22
	Scilly (St. Mary's)...	29·18	49	NW	6	cp	29·36	+·36	47	44	− 3	W	5	cq	6	52	44	cp	2·8	0·12
	Jersey (St. Aubins)...	29·25	49	SW	6	cgp	29·47	+·22	46	45	− 2	SSW	4	0rhpm	4	51	44	cp, gp	1·0	0·24
	Portland Bill ...	29·11	48	W	5	8	29·35	+·26	47	42	+ 2	W	4	8c	4	50	44	cgp, 8	*	0·15
	Dungeness ...	29·14	50	SW	7	c	29·40	+·13	47	45	− 1	W	5	c	6	50	45	c, rg	1·8	0·38
	Wick	29·05	43	S	2	0	28·96	+·01	45	44	+ 6	E	4	0u	3	45	36	–	*	0·10
	Nairn	29·04	33	N	0	f	29·00	+·03	35	35	+ 6	N	0	r	1	36	26	–	*	0·12
	Aberdeen ...	29·04	42	SE	4	r	29·00	−·04	38	37	+ 5	SW	3	0r	2	45	33	0p, r	0·0	0·49
	Leith	28·95	42	E	1	r	29·04	+·06	42	40	+ 2	SW	1	0m	*	43	38	–	*	0·01
	North Shields ...	28·98	44	SSE	2	0m	29·09	+·06	40	39	+ 2	SW	2	cm	2	45	37	p, 0	*	0·01
	Spurn Head ...	29·04	42	SSW	4	8c	29·19	+·10	38	37	− 4	SSW	4	8c	3	45	36	–	*	0·05
	Yarmouth ...	29·16	46	S	4	0	29·31	+·08	42	40	− 3	S	5	8	4	46	40	c, 0	*	0·14
	Nottingham ...	29·02	44	SSW	1	r	29·23	+·17	39	38	− 2	SSW	1	8	*	46	37	8, r	0·7	0·05
	Oxford	29·11	44	SSW	3	8c	29·32	+·24	41	39	− 3	SW	3	8	*	47	40	–	*	0·06
	London (Brixton)...	29·08	44	SW	4	8g	29·34	+·18	41	40	− 6	SSW	2	8m	*	49	40	0p, r, 8	0·1	0·32
GERMANY, &c.	The Scaw (Skagen)	29·69	40	SSE	5	m	29·68	+·10	40	39	0	S	5	m	2	43	39	–	*	0·08
	Fanö	29·56	37	SE	6	0	29·55	+·05	38	37	0	SE	5	c	*	43	37	–	*	–
	Cuxhaven ...	29·57	41	S	2	0	29·58	+·05	42	41	+ 3	S	2	0	*	45	39	–	*	–
	The Helder ...	29·34	44	S	2	c	29·41	+·03	44	43	+ 3	SSW	1	c	2	46	41	–	*	–
	Brussels	*	*	*	*	*	29·54	+·06	44	43	0	SSW	5	0	*	50	43	–	*	–
	Berlin	29·75	36	SE	2	c	29·78	+·03	35	35	0	SSE	1	r	*	39	34	–	*	0·24
	Frankfürt ...	29·65	44	SE	2	0	29·74	+·04	41	40	− 1	S	1	8	*	45	41	–	*	0·16
	Munich	29·69	31	SW	3	c	29·79	+·01	33	33	0	SE	3	c	*	36	28	–	*	–
FRANCE.	C. Gris Nez ...	29·25	48	SSW	6	r	29·39	+·07	45	44	0	SSW	5	r	6	50	43	–	*	0·16
	Brest	29·33	50	W	5	8c	29·49	+·30	46	43	− 4	WNW	5	8c	5	52	43	–	*	0·08
	Lorient	29·37	50	W	7	0	29·54	+·23	46	46	− 4	W	5	0	6	55	43	–	*	0·39
	Rochefort ...	29·57	49	WSW	5	c	29·62	+·05	47	46	− 5	SSW	3	0	*	54	43	c	*	0·67
	Biarritz	29·74	54	N	0	8	29·76	+·01	50	46	− 2	SW	3	c	6	57	46	8, 8	*	–
	Paris	29·47	48	SSW	5	8	29·57	+·05	45	43	− 1	SSW	4	0	*	51	45	–	*	–
	Belfort	29·68	41	WSW	2	r	29·72	+·04	41	37	− 4	WSW	2	c	*	45	37	–	*	0·39
	Lyons	29·73	47	S	1	r	29·78	+·04	37	36	− 9	SSW	1	0	*	48	36	–	*	0·28
	Nice	29·81	46	E	2	r	29·78	−·11	47	47	+ 2	E	1	r	3	47	41	–	*	1·34
	Perpignan ...	29·74	51	N	0	0	29·76	+·03	47	46	− 1	SW	1	r	*	55	45	–	*	–
SPAN. PEN.	Corunna																		*	
	Lisbon														*				*	
	Azores (P. Delgada)																		*	
	" (Horta) ...	30·39	59	SW	5	m	30·18	−·30	60	59	+ 3	SW	5	r	2	61	57	–	*	0·04

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster; the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

† *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR FRIDAY, 11TH DECEMBER, 1903.

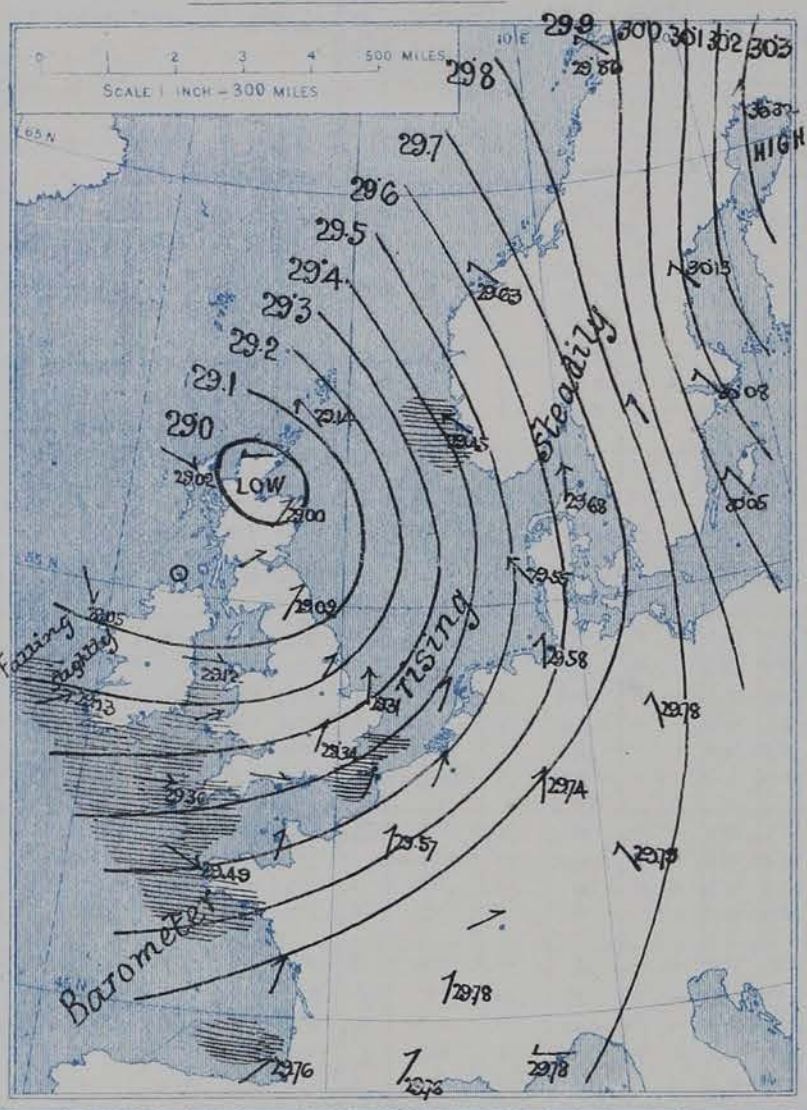
I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 — *Force 8 to 10* — *Force 5 to 7* — *Force 1 to 4* — Calm

SEA.—Rough — *High*

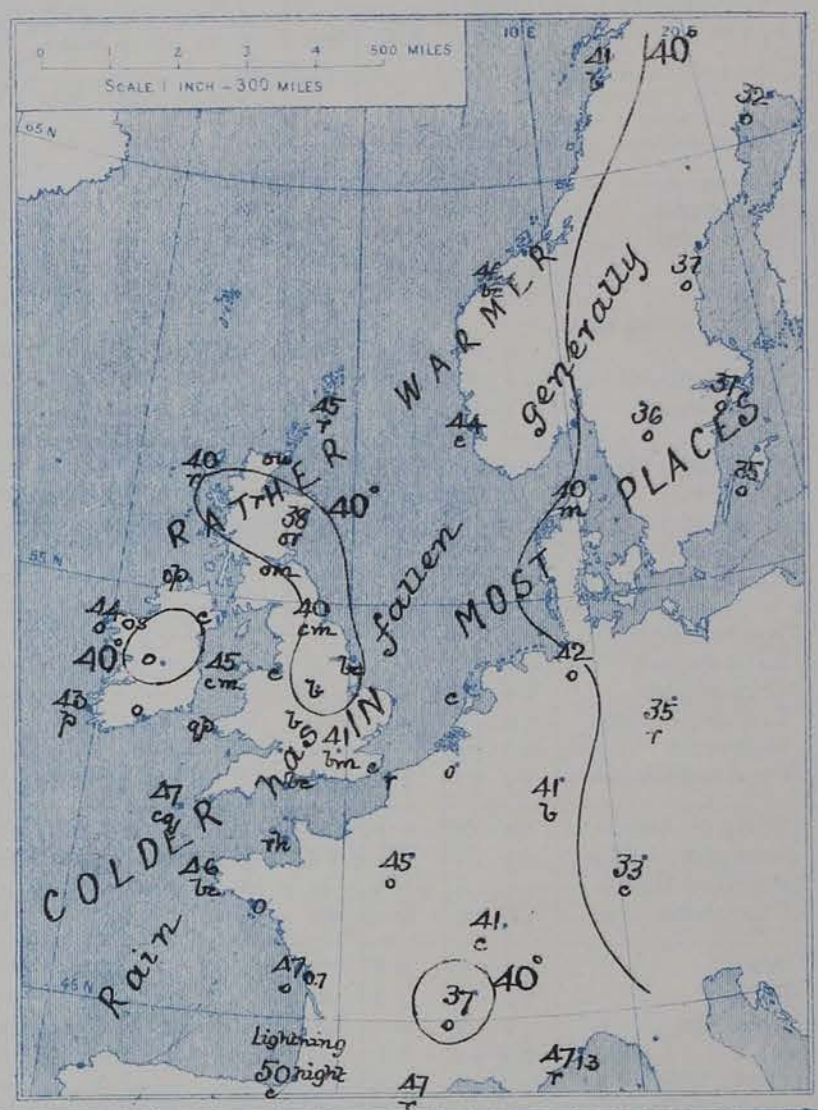


II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°

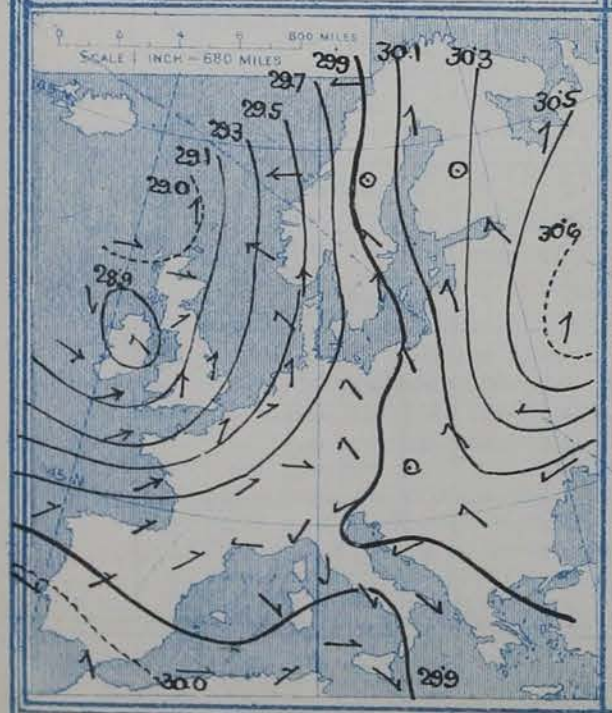
WEATHER.—Shown by Letters of the Beaufort Scale. *(See P. 4.)*

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus - 0·6



III. BAROMETER AND WIND

Yesterday morning.



IV. GREATEST AND LEAST MONTHLY RAINFALL IN DECEMBER

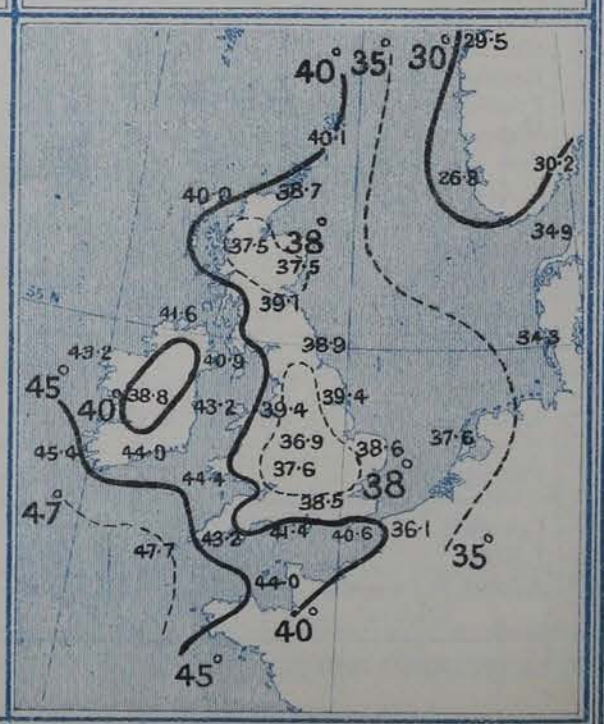
During the 32 Years 1871–1902.

Specimen for LONDON { *Greatest Rainfall* 5·82 (IN 1876); *Least* ..... *Do.* ..... 0·37 (IN 1873)

V. *Means of* DAILY TEMPERATURE

at 8 A.M. for the monthly period

DECEMBER. *(1871–1900)*



GENERAL SITUATION AT 8 A.M.

PRESSURE

The greater part of our area still remains under the eastern portion of an extensive system of low pressure, in which two minima are shown this morning, the principal one occupying Ireland and Wales, with the barometer below 28·9 ins, the other lying beyond the north of Scotland, where the barometer is below 29 ins. Pressure is highest over eastern Europe, an anticyclone covering nearly the whole of Russia and apparently extending eastward into Siberia.

WIND

Very light W.ly to S.ly airs are reported over the northern half of Scotland, while over the rest of the British Isles there is a complete cyclonic circulation of the winds round the western depression. The W.ly to S.ly current over the southern districts is mostly fresh or strong in force, a moderate gale at Portland Bill and Jersey, after a fresh or strong gale at several situations in the night. The S.E.ly current over the northern part of England and Ireland is light to moderate. A strong S.W.ly wind is blowing at various points on the French coast, and from the E.wd on the Norwegian coast, moderate to light S.ly in other Continental districts.

TEMPERATURE

Temperature has fallen in most parts of our Islands, and in the west of France, risen elsewhere. The present readings range from 29° at Nairn and 33° at Aberdeen to 48° at Dungeness, Pembroke and Jersey and 50° at Scilly; from 33° at Haparanda and Munich and 35° at Berlin to 50° at Brest and Lorent and 51° at Rochefort and Biarritz.

WEATHER AND SEA

The weather is in a very changeable state both at home and on the Continent, rain having fallen nearly everywhere, and is still falling at many stations, but at present it is fair or fine in Scotland and several parts of England. The sea is high at the mouth of the English Channel and down the Bay of Biscay; rough or rather rough on the southwestern coasts and up the Channel.

Temperature rose to 50° & upwards yesterday over the southern parts of England, to 55° at Jersey, against 43° at Shields, 42° at Scarborough and 39° at Nairn. Scilly had 3·6 hours of bright sunshine, other stations much less, in several instances none at all.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The two barometric minima are moving slowly E.wd, and are exhibiting much less energy, but with the very low barometer the general conditions are likely to remain unsettled and damp, although fair and bright intervals may be expected in most localities, with moderating winds in the south. Some decrease in temperature.

FORECASTS*

For the 24 hours ending at NOON on 11th Decr, 1903

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	Light variable breezes; fair to dull, some showers.
1 SCOTLAND EAST	
2 ENGLAND N.E.	S.E.ly to E.ly breezes, moderate to light; fair to showery.
3 ENGLAND EAST	S.ly to S.W.ly winds, moderate or fresh; unsettled, showery, fair intervals.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	Same as Nos. 0 & 1.
7 ENGLAND N.W.	S.E.ly to E.ly breezes, moderate to light; fair to showery.
8 ENGLAND S.W	S.W.ly to W.ly winds, strong to moderate; rainy to fair.
9 IRELAND NORTH	S.E.ly to N.ly winds, moderate to light; showery to fair.
10 IRELAND SOUTH	W.ly to N.ly winds, strong to moderate; showery to fair.
WARNINGS	The South Cone is still flying in districts 3, 5 & 7 to 10.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone

The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone

* *For terms for transmission of Forecasts by Telegraph; see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.					This Morning 8 a.m.									Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind Direc^n	Wind Force	Weather.	Barometer. Ins.	Barometer. Change	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direc^n	Wind Force	Weather.	Sea.	Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	b	*	48	40	r, b	? 2·0	0·02
Bath	29.20	45	SW	4	0	29.03	− ·10	45	43	− 5	S	3	b	*	53	42	–	1·5	0·05

REPORTS FOR YESTERDAY.

STATIONS.	Temperture F. Max.	Temperture F. Min.	Weather.	Sunshine Hrs.	Rainfall. Ins.	STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine Hrs.	Rainfall. Ins.
Southport, to 9 p.m.... ...	48°	41°	c p	1·2	0·12	Broadstairs...	*	*	*	0·0	*
Rhyl, to 6 p.m.	*	*	*	2·0	*	Margate	52	*	r, bc, b	0·2	*
Llandudno...	*	*	*	2·5	*	Lowestoft, to 6 p.m.... ...	49	39	c, or, b	0·0	0·39
Bettws-y-Coed, to 6 p.m. ...	49	41	bc, c p	0·6	*	Skegness	*	*	*	0·0	*
Aberystwyth, to 6 p.m. ...	50	45	o r, c	2·0	0·14	Scarborough, to 6 p.m. ...	42	*	*	0·0	*
Plymouth, to 9 p.m.... ...	53	43	bc p, o h p	2·5	0·48	Harrogate, to 6 p.m. ...	45	39	r, bc	0·0	0·26
Worthing	*	*	*	1·8	*	Manchester, to 9 p.m. ...	49	40	r, o p, b	0·1	0·24
Brighton	51	*	*	0·5	*	Darwen, to 9 p.m.	45	37	r s, g, c v	0·0	0·31
Eastbourne, to 6 p.m. ...	52	*	*	1·5	*	Birmingham, to 9 p.m. ...	50	40	r, p, o	1·3	0·40

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 9th Decr 1903.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	STATIONS.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.
Copenhagen	39	36	m, o	0·04	Algiers	68	57	c, b	–
Utrecht...	41	36	r, o	0·08	Tunis	59	39	o, o	0·47
Groningen	41	34	o, o	0·08	Madeira (Funchal)	Not	rec^d		
Vienna	36	30	o, r	–	8th Decr 1903.	1 p.m.		1 p.m.	Measured 8 a.m.
Marseilles	50	37	b, b	–	Geneva	43	*	o	
Florence	44	38	r, b	0·35	Berne	39	*	r	
Rome	50	41	c, b	0·04	Coire	37	*	bc	
Naples	53	42	o, o	–	Castasegna	34	*	b	
Palermo	Not	rec^d			Lugano	43	*	b	
Malta	58	50	o	0·04	Davos	28	*	c	

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.‡ (W.E.T.)	6 p.m.
Holland	8 a.m. („ „)	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores: Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores: Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

10th Decr 1903.	Sunrise G.M.T.	Noon G.M.T	Sunset G.M.T.
Yarmouth	7.54	11.46	3.37.
Greenwich	7.56	11.53	3.50.
Wick	8.53	12.5	3.17
Valencia	8.40	12.34	4.28.

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
„ Weekly „ „ „ £1 10 0 „ Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. Smith & Sons' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 12th December, **1903.**

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. **W. N. SHAW,** *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins.	Barometer. Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Temperature. Change since Yesterday. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Temp. Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	30·39	24	S	4	o	30·36	+·04	26	26	− 6	SE	2	o	*	34	24	–	*	–
	Hernösand ...	30·21	36	SE	2	o	30·26	+·13	36	35	− 1	SE	2	o	*	43	34	–	*	0·08
	Stockholm ...	30·13	35	SE	2	o	30·28	+·20	37	35	0	SE	2	o	*	39	34	–	*	–
	Wisby	30·17	36	SE	2	c	30·18	+·13	?	34	?	SE	2	o	*	41	34	–	*	–
	Karlstad	29·97	33	SE	4	r	30·16	+·29	35	34	− 1	E	2	o	*	*	*	r,s	*	0·20
	Færder (X'iania Fjord)																		*	
	Bodö	29·95	40	E	4	c	30·01	+·15	36	33	− 5	E	4	o	1	41	34	–	*	–
	Christiansund ...	29·67	44	SE	4	c	29·89	+·26	43	38	− 3	SE	1	bc	3	46	39	–	*	–
	Skudesnaes ...	29·61	44	SE	8	o	29·79	+·34	45	43	+ 1	SSE	6	o	5	45	43	o	*	*
BRITISH ISLANDS.	Sumburgh Head	29·19	44	SE	5	o	29·49	+·35	44	42	− 1	SE	4	c	6	46	41	o	*	0·05
	Stornoway ...	29·05	39	W	2	r	29·29	+·27	41	40	+ 1	WSW	3	o	3	42	37	o,r	0·0	0·75
	Malin Head ...	29·10	42	N	o	og	29·28	+·23	39	38	− 2	S	2	c	2	42	37	o	*	0·04
	Blacksod Pt. ...	29·09	42	SE	3	r	29·31	+·26	40	39	− 4	SSW	3	b	3	44	34	bc,r	*	0·03
	Valencia	29·20	44	WSW	6	cq	29·29	+·06	40	39	− 3	NE	1	cp	4	47	39	ogp,cq	0·0	0·22
	Roche's Point ...	29·21	42	WSW	2	og	29·30	+·08	37	36	− 5	N	2	bm	1	45	35	o,og	*	–
	Parsonstown ...	29·11	42	W	1	o	29·33	+·23	38	37	0	SE	1	b	*	43	35	op	0·0	0·11
	Donaghadee ...	29·13	42	N	o	ogr	29·35	+·28	37	37	− 3	W	1	c	1	44	34	–	*	0·09
	Liverpool Obsy.	29·28	38	SSE	3	b	29·47	+·30	33	32	− 8	SSE	3	b	?	45	33	bcm,b	*	–
	Holyhead ...	29·17	43	WSW	6	rgqm	29·36	+·24	42	40	− 3	S	4	bcpm	3	45	40	c,rgqm	*	0·59
	Pembroke (St. Ann's)	29·27	46	SW	6	o	29·34	+·12	42	42	− 5	E	5	og	4	48	41	o,hp	1·0	0·05
	Scilly (St. Mary's)...	29·37	43	WSW	4	cp	29·10	−·26	45	43	− 2	E	7	r	5	47	39	chp,cp	1·0	0·08
	Jersey (St. Aubins)...	29·50	44	WSW	4	b	29·34	−·13	44	42	− 2	SE	7	or	6	49	42	c,b	3·0	0·01
	Portland Bill ...	29·43	42	SW	4	cp	29·36	+·01	46	43	− 1	SE	5	cp	3	47	41	c,cp	*	0·07
	Dungeness ...	29·50	45	WSW	5	o	29·60	+·20	48	47	+ 1	SW	6	cu	5	48	41	op	0·0	0·22
	Wick	29·09	44	E	5	o	29·36	+·40	44	41	− 1	SSE	4	c	4	46	40	–	*	0·05
	Nairn	29·12	36	N	o	b	29·36	+·36	38	36	+ 3	N	0	c	1	40	34	–	*	0·17
	Aberdeen ...	29·23	42	S	4	cpm	29·46	+·46	43	40	+ 5	SSE	5	bcq	3	43	37	o,pm	0·0	0·04
	Leith	29·19	42	SE	1	b	29·40	+·36	41	38	− 1	SE	3	o	*	45	38	–	*	–
	North Shields ...	29·28	42	SSW	2	bm	29·51	+·42	35	34	− 5	SSW	3	cm	2	44	33	c,bm	*	0·01
	Spurn Head ...	29·38	40	SSW	3	b	29·54	+·35	38	37	0	SSE	3	b	2	45	35	–	*	–
	Yarmouth ...	29·45	44	SSW	3	bc	29·58	+·27	43	41	+ 1	SSE	5	b	4	45	40	bc	*	0·03
	Nottingham ...	29·37	40	S	1	b	29·53	+·30	31	31	− 8	E	1	b	*	45	30	b	1·5	–
	Oxford	29·45	38	S	2	b	29·52	+·20	38	37	− 3	SE	3	bc	*	45	35	–	*	–
	London (Brixton)...	29·45	40	WSW	3	b	29·54	+·20	38	38	− 3	SE	3	bcm	*	46	34	c,ogp,b	0·0	0·08
GERMANY, &c.	The Scaw (Skagen)	29·84	40	S	5	m	29·99	+·31	40	40	0	SSE	5	m	1	43	47	–	*	0·04
	Fanö	29·76	39	SE	4	o	29·85	+·30	37	37	− 1	ESE	4	r	*	41	37	–	*	–
	Cuxhaven ...	29·71	43	S	2	o	29·82	+·24	37	36	− 5	E	4	om	*	45	36	–	*	0·04
	The Helder ...	29·60	44	S	1	o	29·69	+·28	39	39	− 5	SSE	1	b	0	46	39	–	*	–
	Brussels	*	*	*	*	*	29·73	+·19	39	39	− 5	S	2	b	*	46	39	–	*	–
	Berlin	29·90	36	SSE	1	b	29·90	+·12	35	34	0	SE	2	o	*	39	32	–	*	0·04
	Frankfürt ...	29·79	40	N	o	o	29·84	+·10	39	39	− 2	SE	1	o	*	50	37	–	*	0·04
	Munich	29·73	32	E	5	o	29·83	+·04	33	33	0	SW	3	f	*	36	30	–	*	–
FRANCE.	C. Gris Nez ...	29·51	44	S	5	r	29·61	+·22	37	36	− 8	SE	4	b	?	46	36	–	*	0·59
	Brest	29·49	45	W	3	bc	28·99	−·50	49	49	+ 3	SE	6	r	6	50	45	–	*	0·47
	Lorient	29·54	45	SW	5	o	29·14	−·40	50	50	+ 4	SSE	7	r	7	55	41	–	*	0·87
	Rochefort ...	29·69	46	SW	4	o	29·43	−·19	44	41	− 3	SSE	7	o	*	48	36	r,o	*	0·39
	Biarritz	29·80	49	SW	2	b	29·49	−·27	53	46	+ 3	S	4	o	4	53	46	–	*	–
	Paris	29·64	42	S	2	o	29·68	+·11	38	35	− 7	SE	3	b	*	48	37	–	*	–
	Belfort	29·71	41	ENE	4	m	29·78	+·06	36	36	− 5	ENE	2	o	*	44	36	–	*	0·08
	Lyons	29·80	41	S	1	r	29·82	+·04	34	34	− 3	SE	1	f	*	44	33	–	*	0·08
	Nice																		*	
	Perpignan ...	29·78	47	NW	1	b	29·73	−·03	32	32	− 15	SW	1	bc	*	54	30	–	*	0·04
SPAN. PEN.	Corunna																		*	
	Lisbon														*				*	
	Azores (P. Delgada)	29·93	62	NW	5	b	30·05	−·13	55	53	− 3	NE	4	bc	3	63	55	–	*	0·32
	,, (Horta) ...	30·01	61	NW	2	o	30·12	−·06	58	54	− 2	NNE	4	o	2	66	57	–	*	0·08

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

† *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR SATURDAY, 12TH DECEMBER, 1903.

I. BAROMETER, WIND AND SEA. *This Morning.*

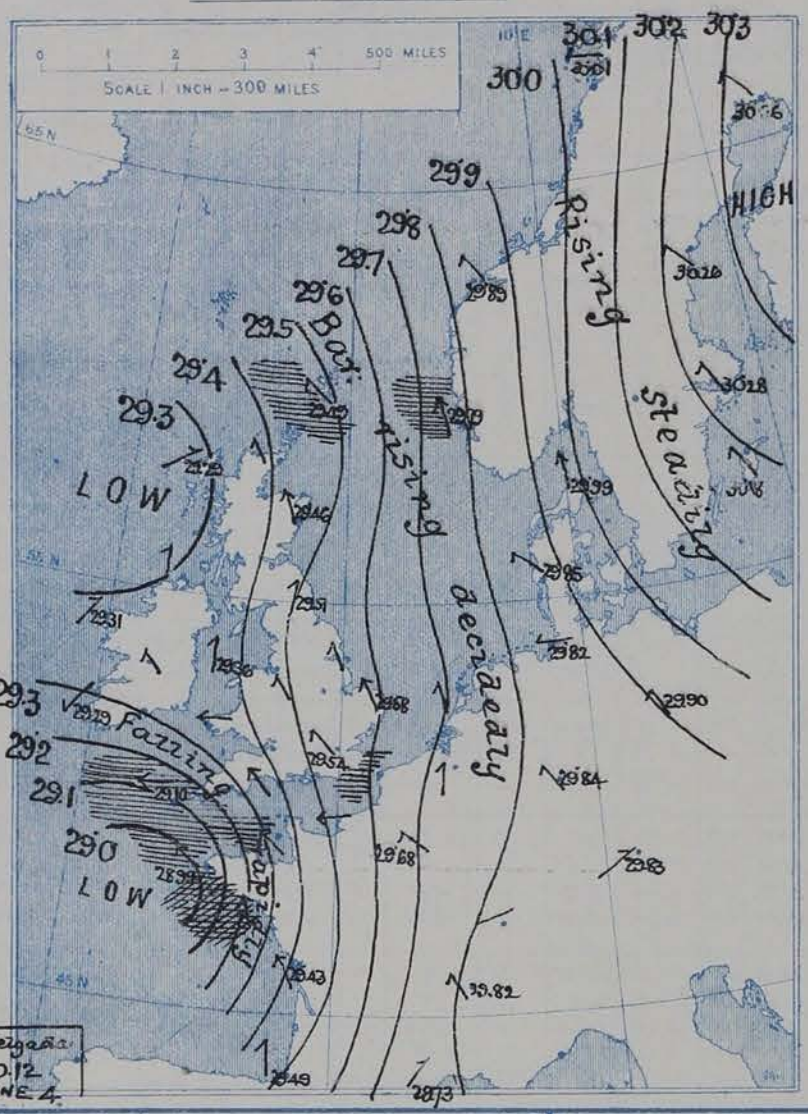
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶⟶ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough *High*

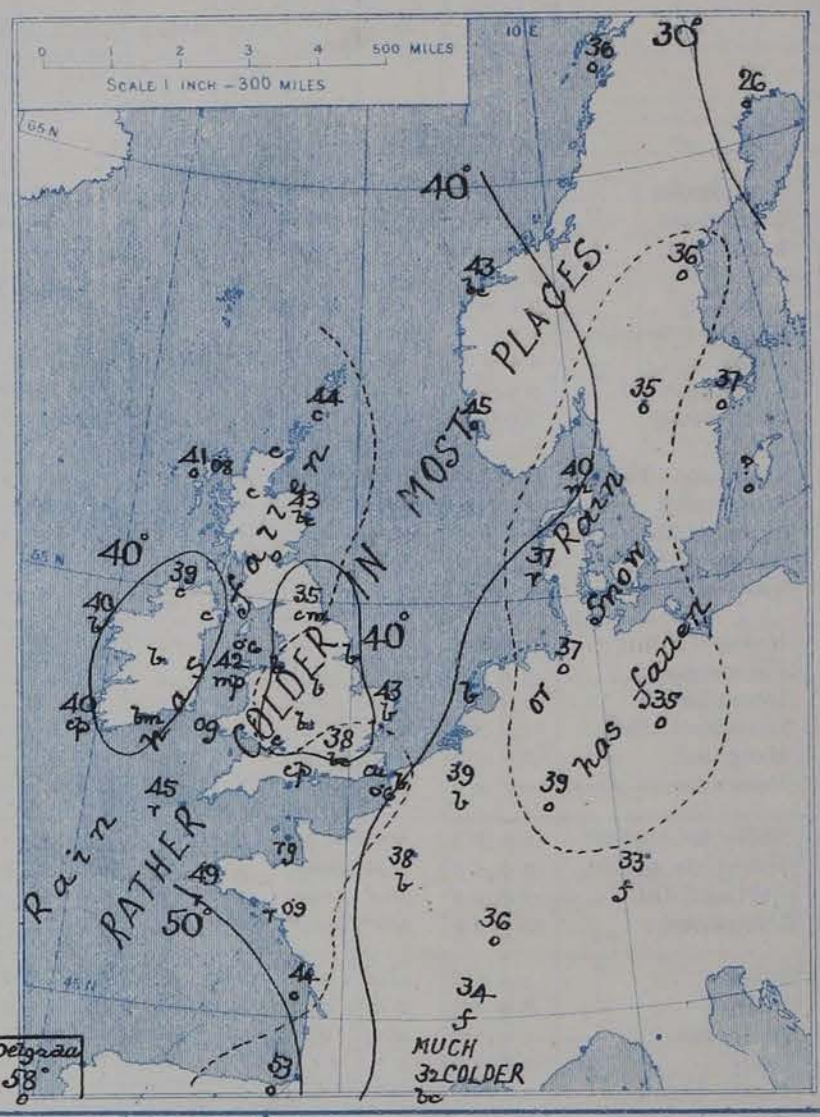


II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.

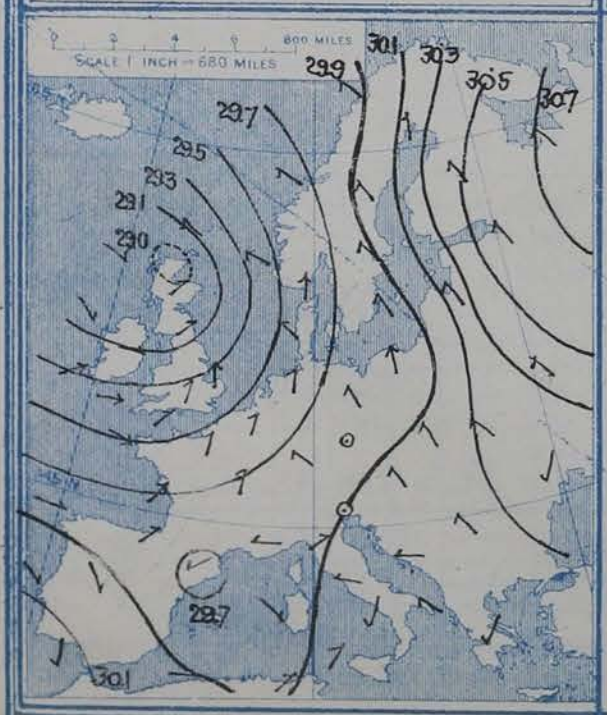
WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus - 0·6



III. BAROMETER AND WIND

Yesterday morning.



IV. GREATEST AND LEAST MONTHLY RAINFALL IN DECEMBER

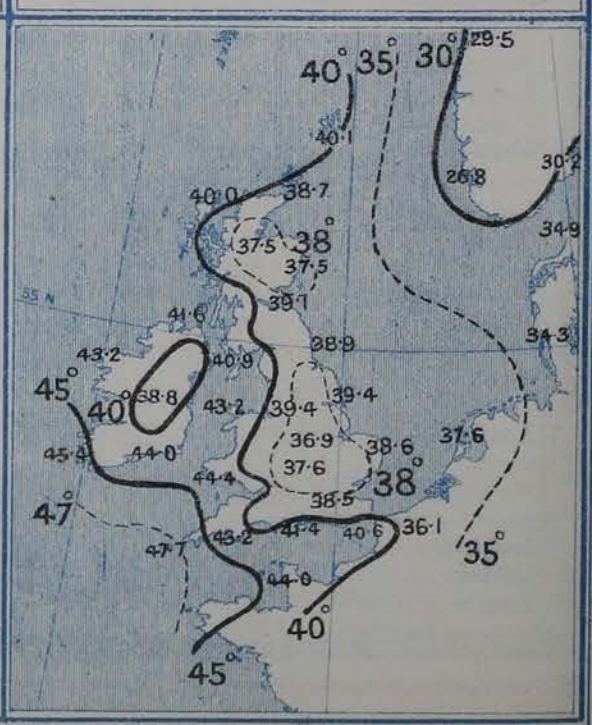
During the 32 Years 1871–1902.

Specimen for LONDON { *Greatest Rainfall* 5·82 (IN 1876) / *Least* ..... *Do.* ..... 0·37 (IN 1873) }

V. *Means of* DAILY TEMPERATURE

at 8 A.M. for the monthly period

DECEMBER. (1871–1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

The area of low pressure still occupies the whole of northwestern and western Europe, its centre being now shown over the north of Scotland, where the barometer is below 27 ins. A slight fall of the barometer has occurred during the night at our most western and northern stations, but elsewhere, both over our Islands and on the Continent, pressure is on the increase, the rise being greatest over the southern parts of England. At Haparanda the mercury is now above 30·2 ins. Out at the Azores a brisk decline has taken place.

WIND

A moderate E.by to S.E.by breeze is blowing about the Pentland Firth, the direction over the rest of the Kingdom being mainly W.by to S.W.by, moderate to strong in force at many of the southern stations, light elsewhere. On the Continent the direction draws from W. in Brittany to S. in the Low Countries and S.E. over Scandinavia, and blowing fresh or strong at various coast stations.

TEMPERATURE

Temperature has fallen over Ireland, England, France and Sweden, risen over Scotland, Norway and the Low Countries. The present readings range from 35° at Nairn and 38° at Parsonstown, Spurn Head and Aberdeen to 47° along the south coast, from Dungeness to Pembroke; from 32° at Haparanda and 33° at Munich to 47° at Nice, Perpignan and Rochefort and 50° at Biarritz.

WEATHER AND SEA

The weather is now fair or fine over the east of England, dull and unsettled elsewhere, with squalls and rain in several places, hail at Jersey. Rain is falling at Berlin and along the French Mediterranean coast. The sea is rough on the Straits of Dover, off our southwestern coasts and down the Bay of Biscay, moderate to smooth in most other localities.

Temperature rose to between 50° and 52° at several southern stations yesterday, but did not exceed 42° at Darwen and Stornoway, and 36° at Nairn. Many places had no bright sunshine, while Scilly had the best record, 2·8 hours. Rain has fallen nearly everywhere, heavily locally, up to 1·3 inch at Nice.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression over our Islands appears to be gradually dying out, and although there is another slight fall of the barometer in the west, which may tend to maintain the unsettled conditions for a time, it seems probable that the Russian high pressure system will eventually expand westward across Scandinavia and produce a more seasonable type of weather.

FORECASTS*

For the 24 hours ending at NOON on 12th December, 1903

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	Light variable to E.by breezes; unsettled, rainy to fair; becoming cooler.	6 SCOTLAND WEST	Same as Nos. 0 & 1.
1 SCOTLAND EAST		7 ENGLAND N.W.	W.by to S.W.by winds, strong to moderate; changeable, squally, showery.
2 ENGLAND N.E.	S.W.by breezes, moderate to light; changeable, some showers. Cooler.	8 ENGLAND S.W	
3 ENGLAND EAST		9 IRELAND NORTH	N.W.by to S.W.by winds, light to fresh; dull, some rain.
4 MIDLAND COUNTIES		10 IRELAND SOUTH	Same as Nos. 7 & 8.
5 ENGLAND SOUTH		WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph; see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.					This Morning 8 a.m.									Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind Direc^n	Wind Force	Weather.	Barometer. Ins.	Barometer. Change	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direc^n	Wind Force	Weather.	Sea.	Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	b	*	46	40	b, o	2·3	0·02
Bath	29·07	46	SW	4	0	29·31	+·28	43	41	- 2	SW	5	bc	*	50	42	-	2·0	0·12

REPORTS FOR YESTERDAY.

STATIONS.	Temperture F. Max.	Temperture F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.
Southport, to 9 p.m.... ...	46	39	or, c, or, d	0·0	0·09	Broadstairs...	*	*	*		*
Rhyl, to 6 p.m.	*	*	*	0·1	*	Margate	49	42	c, r	0·3	0·43
Llandudno...	*	*	*	0·2	*	Lowestoft, to 6 p.m.... ...					
Bettws-y-Coed, to 6 p.m. ...	45	39	r, bc, or	0·5	*	Skegness	*	*	*	0·3	*
Aberystwyth, to 6 p.m. ...	48	45	or	0·0	0·36	Scarborough, to 6 p.m. ...	44	*	*	0·0	*
Plymouth, to 9 p.m.... ...						Harrogate, to 6 p.m. ...	44	36	b, o, c, od	0·0	0·03
Worthing	*	*	*	0·2	*	Manchester, to 9 p.m. ...	47	40	cp, bc	0·2	0·02
Brighton	51	*	*	0·2	*	Darwen, to 9 p.m.	42	36	or, om	0·0	0·23
Eastbourne, to 6 p.m. ...	50	*	*	0·0	*	Birmingham, to 9 p.m. ...	45	38	o, p, o	0·0	0·06
Hastings	*	*	*	0·0	*						

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 10th Decr. 1903.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	STATIONS.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.
Copenhagen	41	37	b, o	-	Algiers	70	59	c, b	-
Utrecht...	46	41	o, o	0·32	Tunis	59	37	o, o	0·04
Groningen	46	39	o, b	0·28	Madeira (Funchal)	Not	rec^d		
Vienna	39	32	b, bc	0·24	9th, Dec^r., 1903	1 p.m.		1 p.m.	Measured 7 a.m.
Marseilles	54	43	o, o	-	Geneva	41	*	o	-
Florence	50	30	b, f	-	Berne	34	*	bc	0·04
Rome	52	38	b, b	-	Coire	34	*	b	-
Naples	53	45	b, b	-	Castasegna	37	*	b	-
Palermo	59	44	c, o	0·35	Lugano	43	*	b	-
Malta	58	50	c	0·08	Davos	22	*	b	-

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail, l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.‡ (W.E.T.)	6 p.m.
Holland	8 a.m. („ „)	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores: Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores: Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

11th Dec^r., 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	7.56	11.46	3.37
Greenwich	7.57	11.53	3.49
Wick	8.54	12.5	3.16
Valencia	8.41	12.34	4.27

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
„ Weekly „ „ „ £1 10 0 „ Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Sunday, 13th DECEMBER, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins.	Barometer. Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Temperature. Change since Yesterday. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Temp. Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	?30·41	33	SW	4	0	?30·36	·00	32	31	+6	S	2	0	*	34	21	—	*	0·04
	Hernösand ...	?30·35	35	Z	0	0	30·30	+·04	36	35	0	Z	0	0	*	37	32	—	*	0·43
	Stockholm ...	30·29	37	SE	2	0	30·30	+·02	37	36	0	SSE	2	r	*	39	36	—	*	—
	Wisby	30·28	37	SSE	4	0	30·29	+·11	37	35	?+3	SE	2	0	*	39	34	—	*	—
	Karlstad	30·18	35	E	2	0	30·19	+·03	35	35	0	E	2	b	*	*	*	—	*	0·04
	Færder (X'iania Fjord)																			
	Bodö	30·13	37	E	2	be	30·10	+·09	34	33	−2	E	2	m	1	37	32	—	*	0·08
	Christiansund ...	29·95	44	ESE	2	0	30·06	+·17	40	36	−3	SE	2	c	3	45	31	—	*	—
	Skudesnaes ...	29·92	41	SE	4	0	29·95	+·16	35	34	−10	E	1	b	3	45	34	0	*	*
BRITISH ISLANDS.	Sumburgh Head	29·62	43	SE	4	b	29·79	+·30	44	42	0	SE	4	0	6	45	42	bc, b	*	—
	Stornoway ...	29·46	44	SSW	3	c	29·59	+·30	42	40	+1	SSW	3	0	3	44	36	0, c	1·3	—
	Malin Head ...	29·47	33	S	2	f	29·35	+·07	43	42	+4	E	1	r	5	43	33	b, f	*	0·13
	Blacksod Pt. ...	29·41	35	Z	0	b	29·42	+·11	42	41	+2	NNE	4	cpm	3	43	34	b	*	0·02
	Valencia	29·38	40	NE	4	b	29·37	+·08	44	41	+4	NNW	4	og	4	45	37	bcv, b	4·3	0·01
	Roche's Point ...	29·29	41	NNE	4	0	29·27	−·03	40	39	+3	N	4	0	2	42	35	0	*	0·03
	Parsonstown ...	29·40	36	NW	2	bc	29·31	−·02	38	37	0	NW	1	or	*	42	35	bc, r	2·3	0·24
	Donaghadee ...	29·47	45	SE	3	0	29·34	−·01	45	44	+8	SSE	6	r	6	45	33	—	*	0·20
	Liverpool Obsy.	29·47	39	E	4	0	29·32	−·15	42	40	+9	E	3	0	?	43	33	om, r	*	0·15
	Holyhead ...	29·39	41	E	6	orgm	29·27	−·09	43	42	+1	E	1	rq	5	43	39	c, or, q	*	0·14
	Pembroke (St. Ann's)	29·16	41	E	1	r	29·11	−·23	44	43	+2	NE	4	rq	3	45	40	r	0·0	0·56
	Scilly (St. Mary's)...																			
	Jersey (St. Aubins)...	29·14	47	ESE	9	cp	29·13	−·21	49	47	+5	SSE	6	ogu	6	49	43	o, cp	0·0	0·14
	Portland Bill ...	29·15	46	SE	8	r	29·03	−·33	47	46	+1	SSE	8	r	6	48	44	r	*	0·66
	Dungeness ...	29·48	46	SE	1	0	29·38	−·22	47	46	−1	SE	1	cqu	5	48	41	bc, o	0·0	0·14
	Wick	29·56	43	SSE	4	0	29·63	+·27	45	44	+1	SSE	5	ru	4	45	40	—	*	0·10
	Nairn	29·54	38	SW	1	bc	29·60	+·24	41	40	+3	SE	1	c	1	41	32	—	*	—
	Aberdeen ...	29·64	42	SSE	3	bc	29·63	+·17	43	41	0	ESE	1	og	5	44	41	b, bc	0·0	—
	Leith	29·58	37	SE	1	b	29·51	+·11	43	42	+2	ENE	3	r	*	45	34	—	*	0·05
	North Shields ...	29·62	40	SSW	1	cm	29·48	−·03	44	43	+9	ESE	6	r	5	45	35	cm, r	*	0·08
	Spurn Head ...	29·54	40	ESE	6	bc	29·39	−·15	43	42	+5	ESE	6	c	4	44	36	—	*	—
	Yarmouth ...	29·58	44	SE	1	0	29·44	−·14	44	42	+1	SE	6	og	6	44	41	c, og	*	0·01
	Nottingham ...	29·49	40	E	2	0	29·35	−·18	43	41	+12	E	2	0	*	43	30	0	0·0	0·03
	Oxford	29·35	42	E	5	r	29·26	−·26	45	43	+7	E	3	r	*	45	38	0, r	*	0·28
	London (Brixton)...	29·41	44	ESE	6	0	29·32	−·22	45	43	+7	SE	6	bc	*	45	37	bc, o, rq	0·0	0·20
GERMANY, &c.	The Scaw (Skagen)	30·03	39	SE	4	m	30·04	+·05	39	38	−1	SE	4	r	1	43	37	—	*	0·04
	Fanö	29·91	36	E	3	0	29·85	·00	37	36	0	E	4	r	*	39	36	—	*	0·16
	Cuxhaven ...	29·88	36	SE	2	0	29·78	−·04	36	36	−1	ESE	3	0	*	37	36	—	*	—
	The Helder ...	29·70	40	ESE	2	b	29·59	−·10	38	38	−1	SSE	1	m	1	45	36	—	*	—
	Brussels	*	*	*	*	*	29·57	−·16	43	39	+4	SE	3	0	*	46	?37	—	*	—
	Berlin	29·91	37	SE	2	0	29·89	−·01	34	33	−1	Z	0	b	*	37	32	—	*	—
	Frankfürt ...	29·79	39	SE	3	0	29·79	−·05	38	38	−1	E	3	0	*	41	37	—	*	—
	Munich	29·80	32	E	3	f	29·79	−·04	30	30	−3	E	2	f	*	34	28	—	*	—
FRANCE.	C. Gris Nez ...	29·47	42	ESE	5	bc	29·40	−·21	43	42	+6	SE	4	bc	3	45	37	—	*	0·08
	Brest	28·69	49	SE	7	r	29·10	+·11	49	47	0	WNW	6	r	7	50	48	—	*	0·28
	Lorient	28·92	47	S	9	r	29·21	+·07	50	50	0	NW	6	0	8	54	39	—	*	0·79
	Rochefort ...	29·37	47	S	5	0	29·46	+·03	49	46	+5	WSW	5	c	*	48	37	r, o	*	0·43
	Biarritz	29·49	52	SW	5	0	29·61	+·12	48	43	−5	SW	4	c	5	55	43	—	*	—
	Paris	29·50	44	SE	4	c	29·50	−·18	44	43	+6	SSE	3	0	*	46	38	—	*	0·08
	Belfort	29·71	39	ENE	5	0	29·67	−·11	35	35	−1	ENE	5	0	*	42	35	—	*	—
	Lyons	29·67	44	SSE	3	c	29·61	−·21	49	45	+15	SSW	4	0	*	51	34	—	*	—
	Nice	29·88	44	Z	0	b	29·88	+·11	46	45	+3	Z	0	b	4	50	41	—	*	0·39
	Perpignan ...	29·55	45	Z	0	0	29·59	−·14	45	43	+13	W	3	r	*	51	32	—	*	0·59
SPAN. PEN.	Corunna	29·74	43	ESE	1	0	29·92	+·56	45	43	−1	S	3	r	5	57	41	—	*	0·55
	Lisbon	29·81	50	NNW	4	b	29·96	+·39	46	44	−12	SSW	2	bc	*	54	45	—	*	0·04
	Azores (P. Delgada)	30·17	52	N	2	b	30·06	+·01	59	55	+4	SW	5	c	3	63	50	—	*	—
	" (Horta) ...	30·17	57	WNW	3	b	30·02	−·10	61	59	+3	SSW	4	0	2	63	57	—	*	—

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster; the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea*

* *Observations for this column not generally received.*

† *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

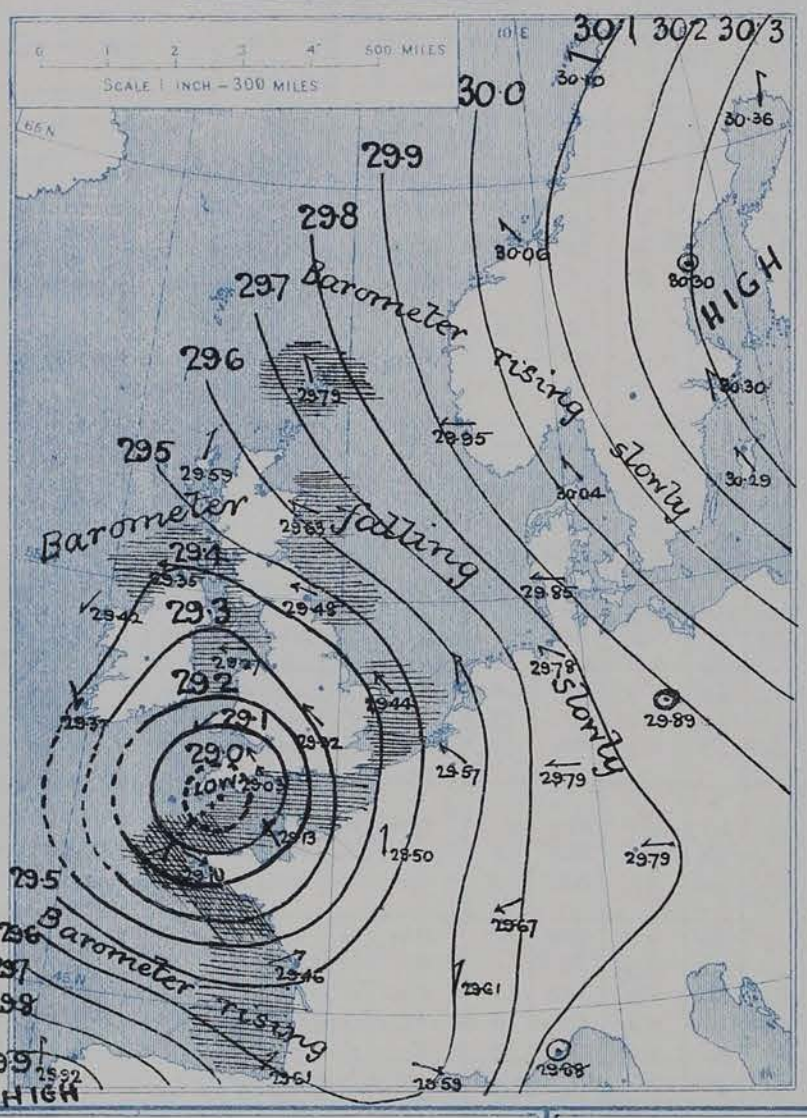
FOR SUNDAY, 13TH DECEMBER, 1903.

I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.

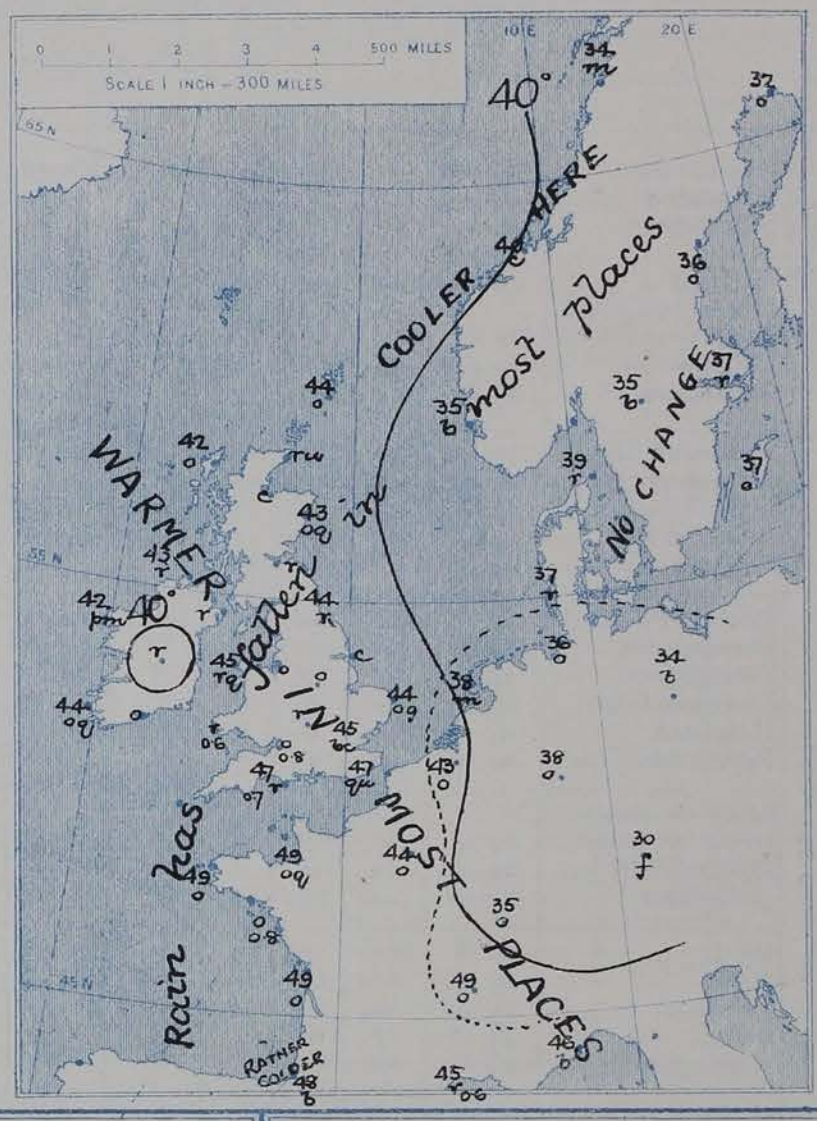
Force above 10 — *Force 8 to 10* — *Force 5 to 7* — *Force 1 to 4* — Calm ⊙

SEA.—Rough — *High*



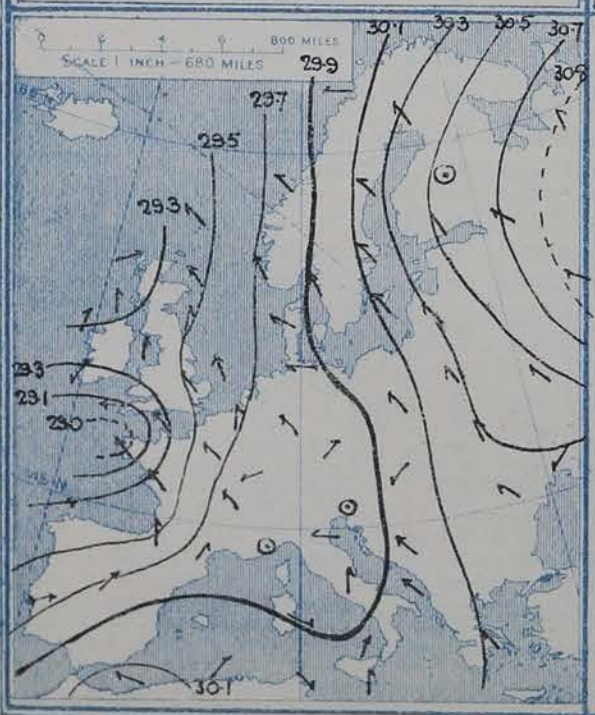
II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus – 0·6



III. BAROMETER AND WIND

Yesterday morning.



IV. GREATEST AND LEAST MONTHLY RAINFALL IN DECEMBER

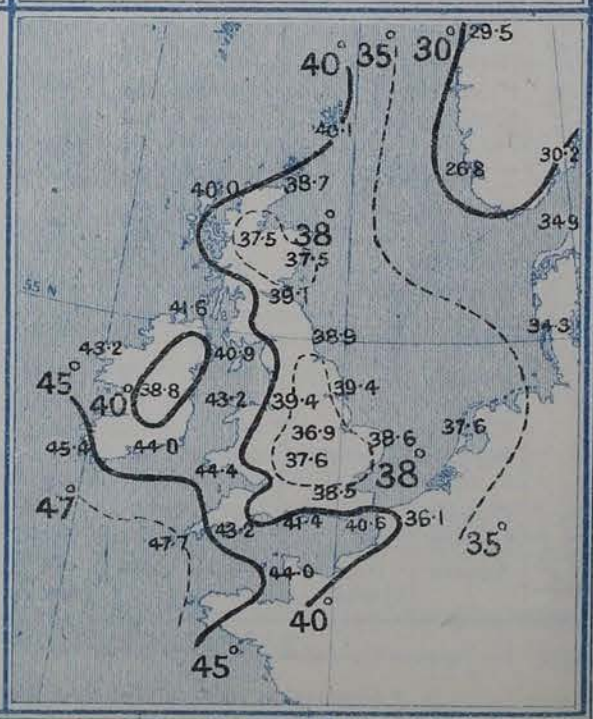
During the 32 Years 1871–1902.

Specimen for LONDON { *Greatest Rainfall* 5·82 (IN 1876) / *Least* ..... *Do.* ..... 0·37 (IN 1873)

V. *Means of* DAILY TEMPERATURE

at 8 A.M. for the monthly period

DECEMBER. (1871–1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

The recent deep cyclonic system is disappearing beyond our northwestern coasts, and the Russian anticyclone is increasing considerably in extent, the barometer rising more or less decidedly all over Scandinavia, Germany and nearly the whole of the British Isles. In the course of the past night, however, another deep depression has appeared on the upper part of the Bay of Biscay, where the barometer has fallen rapidly, and is already below 29 ins. at Ushant, the gradients over the English Channel and western France having become steep.

WIND

Very light variable breezes are reported over Ireland and up the west of Scotland, but over Britain generally the wind is from between S. and E., light inland, moderate or fresh on the eastern coasts, strong to a moderate gale on the southern coasts. Nearly all the Continental regions report S.E.ly to E.ly winds, mostly light or moderate in force, fresh or strong round the west of Norway, strong to a gale in the west and north of France.

TEMPERATURE

Temperature has changed irregularly, fallen in most places. The present values range from 31° at Nottingham and 33° at Liverpool to 46° at Portland Bill and 48° at Dungeness; and from 26° at Haparanda and 32° at Perpignan to 50° at Lorient and 53° at Biarritz.

WEATHER AND SEA

Fair to fine weather prevails in most parts of our Islands, but it is again unsettled on the southern coasts, with rain in many places. Over the Netherlands and the northeast of France the sky is clear, but most other Continental districts report dull, overcast skies, with rain in the northwest of France and in Denmark, fog at Lyons and Munich. The sea is rough or rather rough on the English Channel, the Bay of Biscay and off the Shetlands, moderate to smooth elsewhere.

During yesterday temperature rose to 49° at Jersey and Eastbourne and 48° at Pembroke and Dungeness, to 42° at Stornoway and Malin Head and 40° at Nairn. Most stations had a little bright sunshine, up to 3 hours at Bath and Jersey and 3·3 hours at Skegness.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone over northern Europe is expanding westward steadily, and its influence is already felt over the greater part of our Islands. The deep cyclonic system on the Bay is, however, affecting our more southern districts, where S.E.ly to E.ly winds, strong to a gale, are probable, accompanied by much rain or snow.

FORECASTS*

For the 24 hours ending at NOON on 13th December, 1903

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	S.E.ly to E.ly winds, light to fresh; fair generally, some showers. Cooler.
1 SCOTLAND EAST	
2 ENGLAND N.E.	
3 ENGLAND EAST	S.E.ly to E.ly winds, moderate to strong; fair to unsettled, with cold rain or sleet.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	S.E.ly to E.ly winds, strong to a gale; very unsettled, rain or snow.
6 SCOTLAND WEST	Same as Nos. 0 to 2.
7 ENGLAND N.W.	
8 ENGLAND S.W	E.ly to N.E.ly winds, strong to a gale; very unsettled, rain or snow.
9 IRELAND NORTH	E.ly breezes, light or moderate; fair generally, some cold showers.
10 IRELAND SOUTH	N.E.ly to N.ly winds, strong in west to gale on east coast; changeable, fair to rainy.
WARNINGS	At 9.20 am today to districts 5, 8, and part of 10, "Hoist South Cone."

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph; see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.					This Morning 8 a.m.									Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind Direc^n	Wind Force	Weather.	Barometer. Ins.	Barometer. Change	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direc^n	Wind Force	Weather.	Sea.	Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	c	*	47	37	c, o p	1·0	0·02
Bath	29·40	41	SW	1	0	29·44	+ ·13	38	37	- 5	SW	2	c	*	46	34	–	3·0	–

REPORTS FOR YESTERDAY.

STATIONS.	Temperture F. Max.	Temperture F. Min.	Weather.	Sunshine Hrs	Rainfall. Ins.	STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine Hrs.	Rainfall. Ins.
Southport, to 9 p.m.... ...	46	39	o p, c	2·3	0·09	Broadstairs...	*	*	*		*
Rhyl, to 6 p.m.	*	*	*	1·5	*	Margate	46	41	r, c	0·0	0·05
Llandudno...	*	*	*	0·6	*	Lowestoft, to 6 p.m.... ...	45	39	c g r, b c, c	0·9	0·09
Bettws-y-Coed, to 6 p.m. ...	44	38	o p, b, o p	0·1	*	Skegness	*	*	*	3·3	*
Aberystwyth, to 6 p.m. ...	45	41	r, c, o	2·0	0·12	Scarborough, to 6 p.m. ...	45	*	*	1·4	*
Plymouth, to 9 p.m.... ...	47	40	b c, b c p	1·8	0·16	Harrogate, to 6 p.m. ...	44	36	o m, b c	0·4	0·01
Worthing	*	*	*	0·2	*	Manchester, to 9 p.m. ...	46	38	b c, b	1·8	0·05
Brighton	47	*	*	0·0	*	Darwen, to 9 p.m.	42	34	r, o c, b m	0·1	0·25
Eastbourne, to 6 p.m. ...	49	*	*	0·5	*	Birmingham, to 9 p.m. ...	44	36	o, c, b	1·3	–
Hastings	*	*	*	0·0	*						

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 11th Decr 1903.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	STATIONS.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.
Copenhagen	39	36	o , r	0·28	Algiers	75	50	b c , o	–
Utrecht..	48	43	b , o	–	Tunis	61	39	b c , c	–
Groningen	48	41	o , o	–	Madeira (Funchal)	Not	rec^d		
Vienna	41	37	o , o	–	10th Dec. 1903	1 p.m.		1 p.m	Measured 7 a.m.
Marseilles	55	50	o , o	–	Geneva	43	*	r	0·16
Florence	43	40	o , o	–	Berne	39	*	r	0·04
Rome	50	39	b , o	–	Coire	43	*	b	–
Naples	55	46	b , b c	–	Castasegna	39	*	o	–
Palermo	63	42	b , c	–	Lugano	43	*	o	–
Malta	60	52	o	–	Davos	37	*	b	–

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.‡ (W.E.T.)	6 p.m.
Holland	8 a.m. (" ")	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores { Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

12th Dec^r, 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	7.57	11.47	3.36
Greenwich	7.58	11.54	3.49
Wick	8.55	12.6	3.16
Valencia	8.42	12.35	4.27

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " " £1 10 0 " Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Monday, 14th December, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. **W. N. SHAW,** *Secretary.*

	STATIONS	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M. S. L. Ins.	Barometer. Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Temperature. Change since Yesterday. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Temp. Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	30·25	33	SW	4	0	30·29	−·07	26	26	− 6	N	0	f	*	34	26	–	*	0·04
	Hernösand ...	30·29	35	N	0	0	30·27	−·03	34	33	− 2	N	0	0	*	36	34	–	*	0·08
	Stockholm ...	30·28	37	S	2	0	30·26	−·04	35	33	− 2	SE	2	0	*	39	35	–	*	–
	Wisby	30·30	35	S	4	0	30·24	−·05	33	32	− 4	S	2	0	*	39	33	–	*	–
	Karlstad	30·17	35	SSE	2	0	30·16	−·03	34	33	− 1	SE	2	r	*	*	*	–	*	0·04
	Færder (X'iania Fjord)																			
	Bodö	30·14	34	E	2	0	30·10	·00	34	33	0	E	5	6	2	34	32	–	*	–
	Christiansund ...	29·93	36	ESE	2	0	29·90	−·16	38	35	− 2	ESE	2	6c	3	40	36	–	*	–
	Skudesnaes ...	29·86	42	ESE	4	0	29·89	−·06	42	39	+ 7	SE	6	0	4	43	35	c, o	*	*
BRITISH ISLANDS.	Sumburgh Head	29·69	42	SE	6	0	29·57	−·22	45	43	+ 1	SE	5	0	7	45	40	r, o	*	0·25
	Stornoway ...	29·50	42	ESE	4	0	29·40	−·19	40	39	− 2	SE	2	0	2	43	33	op, o	0·0	–
	Malin Head ...	29·34	45	SE	5	ogm	29·35	·00	40	39	− 3	S	1	6m	2	45	39	c, ogm	*	0·03
	Blacksod Pt. ...	29·35	38	N	0	6	29·33	−·09	40	39	− 2	ESE	2	6	2	43	35	c, 6	*	0·02
	Valencia	29·39	44	NNW	1	cm	29·23	−·14	46	44	+ 2	ESE	7	rm	6	47	37	c, cm	1·8	0·05
	Roche's Point ...	29·34	42	NNW	2	6	29·36	+·09	47	45	+ 7	S	5	og	4	47	35	o, 6	*	0·01
	Parsonstown ...	29·32	41	W	2	0	29·40	+·09	34	33	− 4	SE	2	6	*	42	32	og	0·0	–
	Donaghadee ...	29·30	46	SE	6	r	29·40	+·06	41	41	− 4	SW	1	c	2	46	38	–	*	0·10
	Liverpool Obsy.	29·23	40	E	4	r	29·53	+·21	41	39	− 1	S	1	6c	2	45	40	omp	*	0·27
	Holyhead ...	29·22	45	E	6	ogmp	29·44	+·17	45	43	+ 2	SW	3	cm	2	45	42	ogmp	*	0·05
	Pembroke (St. Ann's)	29·22	47	WNW	4	0	29·48	+·37	47	43	+ 3	SSW	4	cv	3	48	43	–	0·0	0·02
	Scilly (St. Mary's)...																			
	Jersey (St. Aubins)...	29·41	48	WSW	6	ogp	29·69	+·56	45	44	− 4	SSW	3	6c	3	50	45	ogp	0·2	0·13
	Portland Bill ...	29·24	49	W	5	cgp	29·60	+·57	44	42	− 3	SW	1	c	2	50	43	cgp	*	0·08
	Dungeness ...	29·43	50	SSW	6	cg	29·70	+·32	48	47	+ 1	SSW	4	6c	3	50	46	cg	0·0	0·02
	Wick	29·48	45	SE	6	r	29·43	−·20	45	44	0	SE	5	r	4	46	40	–	*	0·30
	Nairn	29·50	38	N	0	0	29·39	−·21	42	42	+ 1	SE	1	r	1	42	37	–	*	0·05
	Aberdeen ...	29·52	43	SE	5	r	29·43	−·20	46	45	+ 3	SE	5	0	5	46	42	r, op	0·0	0·45
	Leith	29·43	43	NE	3	0	29·39	−·12	46	44	+ 3	S	1	om	*	46	40	op	*	0·12
	North Shields ...	29·38	45	ESE	5	0	29·49	+·01	46	45	+ 2	SSW	3	cm	4	46	42	r, o	*	0·22
	Spurn Head ...	29·35	43	ESE	6	6c	29·53	+·14	41	40	− 2	S	3	6c	3	46	40	–	*	–
	Yarmouth ...	29·42	45	SE	6	c	29·63	+·19	44	43	0	S	4	6c	4	45	42	6c, c	*	–
	Nottingham ...	29·29	45	E	2	r	29·56	+·21	43	42	0	S	2	6c	*	47	42	ou, r	0·0	0·04
	Oxford	29·30	48	S	3	c	29·63	+·37	41	40	− 4	S	2	6m	*	48	41	cpd	*	0·01
	London (Brixton)...	29·34	48	S	6	0	29·62	+·30	42	42	− 3	S	1	c	*	48	37	ogp, 6	0·0	0·02
GERMANY, &c.	The Scaw (Skagen)	30·04	39	SE	4	m	30·04	·00	37	36	− 2	SE	4	m	1	43	37	–	*	–
	Fanö	29·84	36	SE	6	0	29·88	+·03	35	34	− 2	E	4	0	*	39	35	–	*	–
	Cuxhaven ...	29·78	37	SE	4	0	29·81	+·03	34	34	− 2	ESE	3	0	*	39	34	–	*	–
	The Helder ...	29·59	40	SSE	1	6	29·70	+·11	39	38	+ 1	SE	1	c	1	57	37	–	*	–
	Brussels	*	*	*	*	*	29·74	+·17	42	40	− 1	SSW	2	0	*	50	38	–	*	–
	Berlin	29·88	33	SE	3	6	29·86	−·03	32	32	− 2	ESE	3	0	*	37	32	–	*	–
	Frankfürt ...	29·76	39	NNE	2	0	29·77	−·02	38	38	0	SSW	2	0	*	41	37	–	*	–
	Munich	29·69	27	E	4	m	29·76	−·03	26	26	− 4	SW	4	f	*	30	25	–	*	–
FRANCE.	C. Gris Nez ...	29·47	46	SE	4	c	29·66	+·26	43	42	0	S	3	0	2	50	41	–	*	–
	Brest	29·47	49	WNW	4	0	29·59	+·49	50	47	+ 1	S	4	0	4	50	46	–	*	0·04
	Lorient	29·50	48	W	4	0	29·66	+·45	49	46	− 1	SSW	4	0	5	55	43	–	*	0·12
	Rochefort ...	29·62	48	WSW	4	r	29·77	+·31	45	44	− 4	SSW	4	6c	*	52	43	c, r	*	0·20
	Biarritz	29·76	53	W	6	6	29·85	+·24	45	41	− 3	S	3	c	4	53	43	–	*	0·63
	Paris	29·59	43	S	3	0	29·76	+·26	39	39	− 5	SSW	2	0	*	50	37	–	*	–
	Belfort	29·67	33	ENE	3	m	29·79	+·12	36	36	+ 1	WSW	2	r	*	41	31	–	*	0·04
	Lyons	29·72	39	W	1	r	29·89	+·28	39	39	− 10	ESE	1	6	*	53	37	–	*	0·91
	Nice	29·76	46	E	5	r	29·82	−·06	39	38	− 7	N	0	6	4	50	37	–	*	0·91
	Perpignan ...	29·75	44	W	1	0	29·89	+·30	37	36	− 8	SW	2	6	*	48	37	–	*	0·39
SPAN. PEN.	Corunna																		*	
	Lisbon	30·00	50	SSW	3	6	29·90	−·06	55	51	+ 9	SW	5	0	*	55	50	–	*	–
	Azores (P. Delgada)																		*	
	,, (Horta) ...	29·94	55	SW	4	6c	29·86	−·16	54	49	− 7	WNW	5	r	2	64	50	–	*	0·04

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

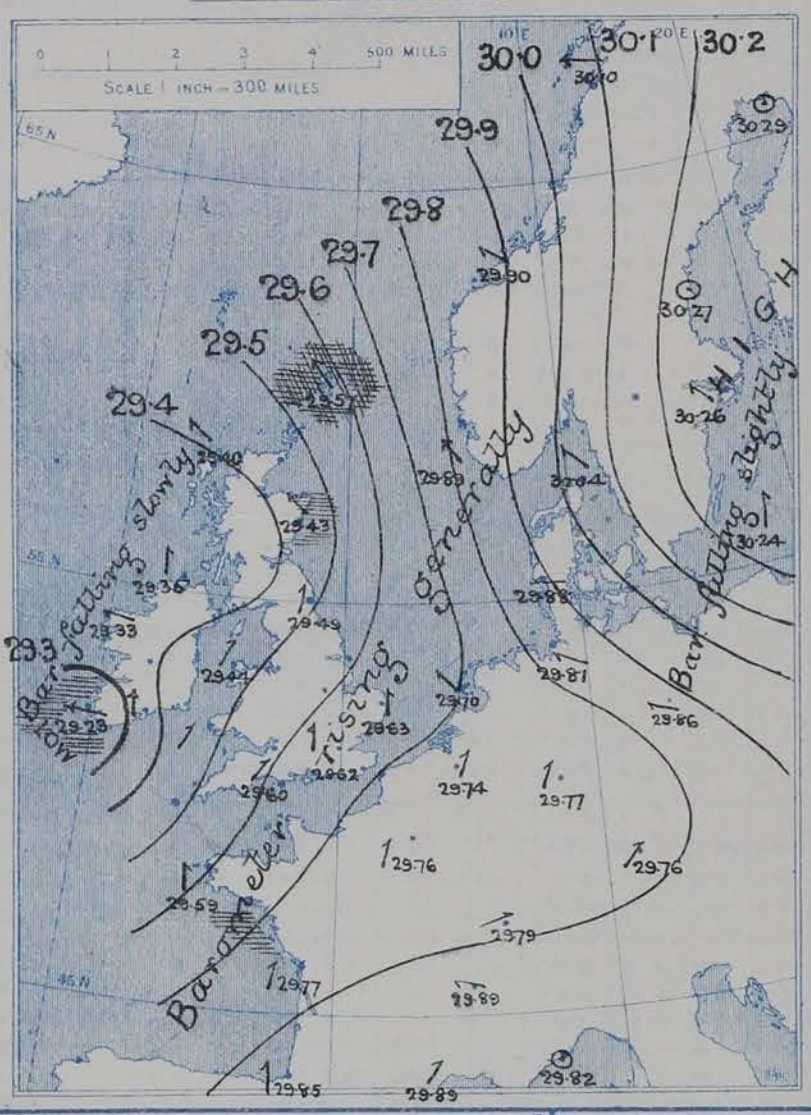
† *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR MONDAY, 14TH DECEMBER, *1903.*

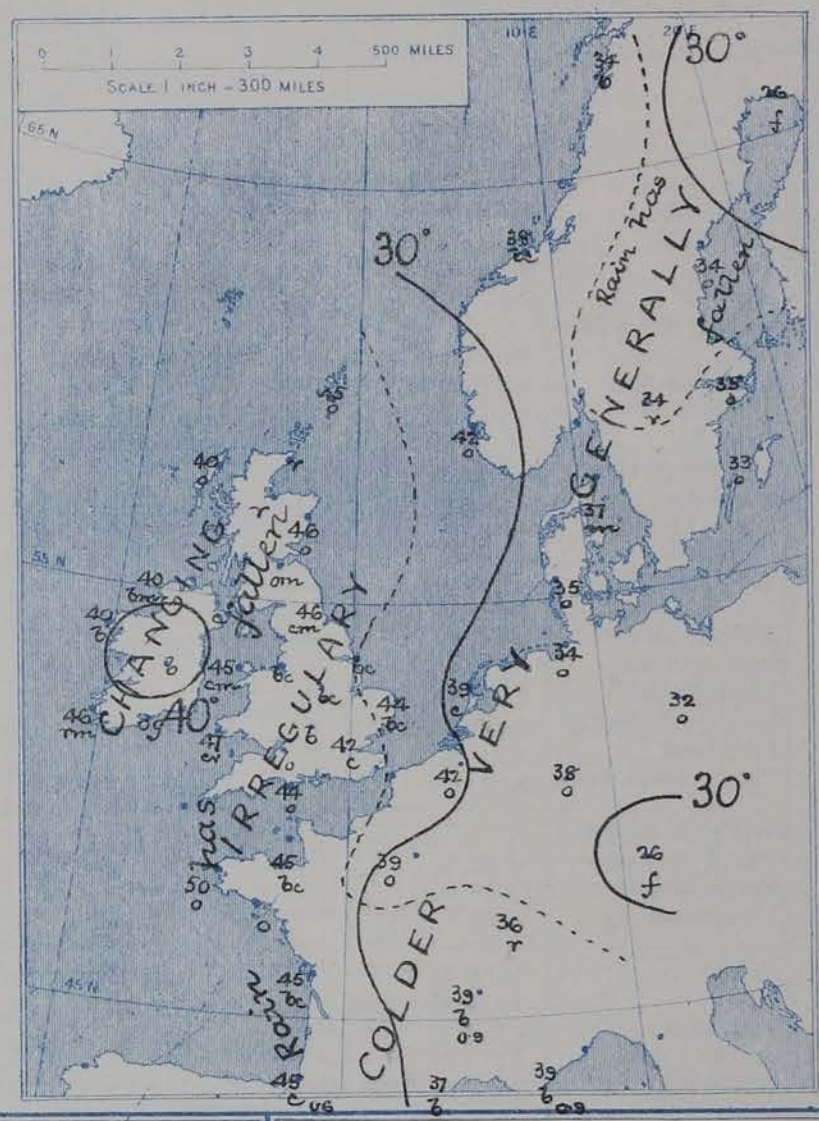
I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.
Force above 10 ; *Force 8 to 10* ; *Force 5 to 7* ; *Force 1 to 4* ; } Calm ⊙
SEA.—Rough *High*



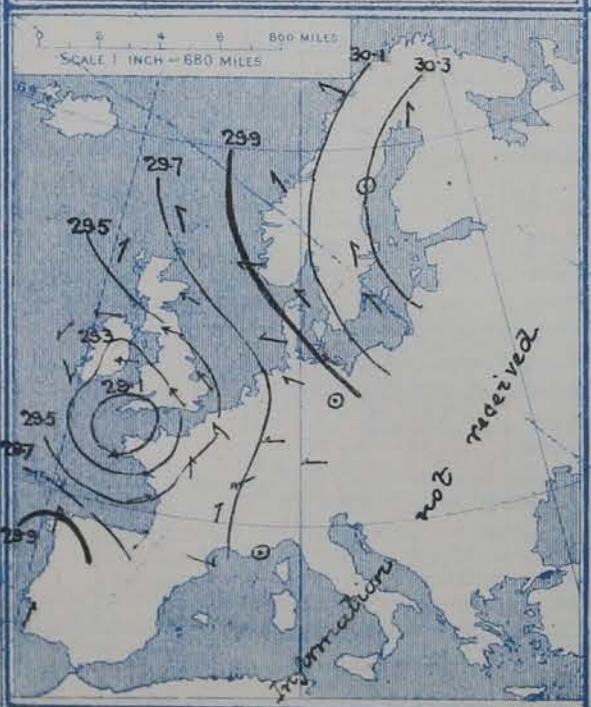
II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale. *(See P. 4.)*
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus - 0·6



III. BAROMETER AND WIND

Yesterday morning.



IV. GREATEST AND LEAST MONTHLY RAINFALL IN DECEMBER

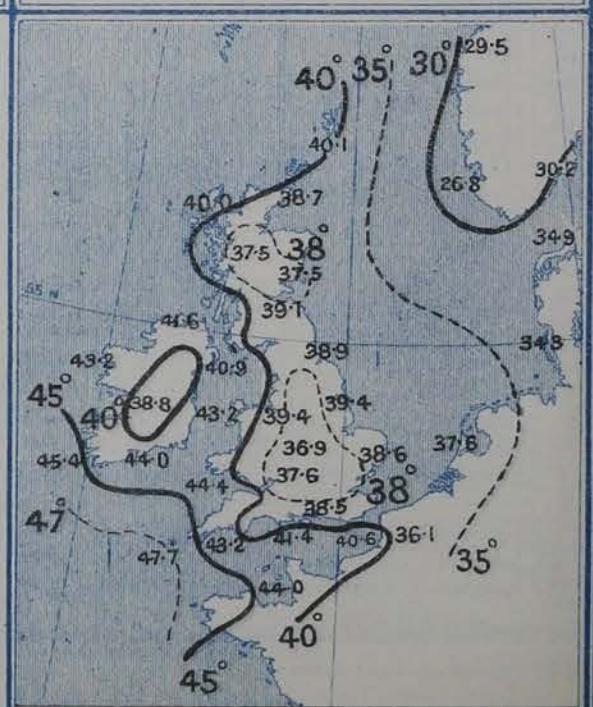
During the 32 Years 1871–1902.

Specimen for LONDON { *Greatest Rainfall* 5·82 (IN 1876) ; *Least* ..... *Do.* ..... 0·37 (IN 1873)

V. *Means of* DAILY TEMPERATURE

at 8 A.M. for the monthly period

DECEMBER. *(1871–1900)*



GENERAL SITUATION AT 8 A.M.

PRESSURE

The depression noticed yesterday over the upper part of the Bay of Biscay has advanced slowly NE^wds but has become somewhat less deep. Its centre, with readings below 29.0ins, now lies a little to the S^wd of Plymouth, and the barometer is falling in most parts of Great Britain as well as in Denmark, Germany and the Netherlands; in the west of France the mercury is rising again. The highest pressures, 30.3 ins. and upwards, are still found over the Gulf of Bothnia and the northern parts of the Baltic.

WIND

TEMPERATURE

WEATHER AND SEA

Over Ireland, England and France, the wind circulates round the barc minimum over the Channel, and on many parts of our own coasts it blows with the force of a moderate gale from E or SE. In other parts of western Europe it is chiefly SE^ly, - moderate to fresh in force in most places, but strong in the east of Scotland. Temperature has risen in these Islands and France and is above the average over western Europe generally, the readings being above 40° at all our northern stations and above 45° at the Channel stations and in the west and south of France. In Scandinavia, Denmark and Germany, the readings are below 40°, the lowest reported being 30° at Munich. The weather is cloudy or dull over western Europe generally, with rain in many parts of the United Kingdom and also in Denmark and at Stockholm, Brest and Perpignan; in the west of Norway the weather is at present fine. The sea is high off the west of France and rough on most parts of the English coasts as well as off the east of Ireland.

Rain has fallen over nearly the whole of our Islands and France, the largest amounts reported being 0.8 in. at Bath and Lorent, 0.7 in. at Portland Bill and 0.6 in. at Perpignan. Scarcely any bright sunshine was recorded yesterday over England or the east of Scotland (at a large majority of the stations there was none), but at Valencia there was as much as 4.3 hrs.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS*

For the 24 hours ending at NOON on 14th December, 1903

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	None issued.	6 SCOTLAND WEST	None issued.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W	
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	At 3pm. yesterday to district 3 "Hoist South Cone; at 3pm. to district 10, and at 7.10pm to districts 0, 1, 2 and part of 9 "Hoist North Cone

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.					This Morning 8 a.m.									Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind Direct.	Wind Force	Weather.	Barometer. Ins.	Barometer. Change	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direct.	Wind Force	Weather.	Sea.	Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	c	*	45	40	c, r	1.2	0.07
Bath	29.34	42	S	6	0	29.15	-.29	47	45	+9	E	6	0	*	47	?38	—	0.0	0.77

REPORTS FOR YESTERDAY.

STATIONS.	Temperture F. Max.	Temperture F. Min.	Weather.	Sunshine Hrs.	Rainfall. Ins.	STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine Hrs.	Rainfall. Ins.
	°	°					°	°			
Southport, to 9 p.m.... ...	41	33	b, c, 0	0.9	—	Broadstairs...	*	*	*		*
Rhyl, to 6 p.m.	*	*	*		*	Margate	46	39	c	0.6	0.10
Llandudno...	*	*	*	0.6	*	Lowestoft, to 6 p.m.... ...					
Bettws-y-Coed, to 6 p.m. ...	44	*	*	0.2	*	Skegness	*	*	*	1.0	*
Aberystwyth, to 6 p.m. ...	45	40	r, 0	0.0	0.08	Scarborough, to 6 p.m. ...					
Plymouth, to 9 p.m.... ...	48	39	or	0.0	1.00	Harrogate, to 6 p.m. ...	40	31	bm	0.0	0.01
Worthing	*	*	*	0.0	*	Manchester, to 9 p.m. ...	42	34	b, or, fo	1.0	0.02
Brighton		*	*		*	Darwen, to 9 p.m.	38	32	c, omg	0.0	—
Eastbourne, to 6 p.m. ...		*	*		*	Birmingham. to 9 p.m. ...	40	31	c, o, r	0.0	0.19
Hastings		*	*	0.0	*						

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 12th Decr. 1903.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	STATIONS.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.
Copenhagen	39	36	f, 0	0.16	Algiers	57	50	0, b	0.35
Utrecht...	48	39	0, bc	—	Tunis	61	45	c, 0	—
Groningen	46	41	0, r	0.04	Madeira (Funchal) Not recd.				
Vienna	39	37	0, 0	—	11th December.	1 p.m.	*	1 p.m.	Measured 7 a.m.
Marseilles	54	36	0, 0	0.75	Geneva	39	*	r	1.30
Florence	53	49	0, 0	—	Berne	39	*	0	0.51
Rome	55	52	0, r	0.12	Coire	41	*	0	—
Naples	57	49	c, r	0.16	Castasegna	32	*	s	0.04
Palermo	68	49	b, r	0.16	Lugano	36	*	r	0.20
Malta	65	54	?, c	—	Davos	36	*	0	—

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.‡ (W.E.T.)	6 p.m.
Holland	8 a.m. (" ")	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores { Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

13th Decr. 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	7.58	11.47	3.36
Greenwich	7.59	11.54	3.49
Wick	8.56	12.6	3.16
Valencia	8.43	12.35	4.27

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " " £1 10 0 " Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Tuesday, 15th December, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins.	Barometer. Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Temperature. Change since Yesterday. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Temp. Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	30·32	26	SE	2	0	30·16	−·13	32	32	+6	S	4	S	*	34	19	–	*	0·08
	Hernösand ...	30·28	33	✕	0	0	30·23	−·04	30	28	−4	SW	4	0	*	36	30	–	*	–
	Stockholm ...	30·28	33	S	2	0	30·24	−·02	29	28	−6	E	2	8	*	39	29	–	*	–
	Wisby	30·22	31	SE	2	c	30·19	−·05	30	28	−3	✕	0	0	*	39	30	–	*	–
	Karlstad	30·19	33	NE	2	0	30·19	+·03	32	32	−2	NE	2	0	*	*	*	–	*	–
	Færder (X'tiania Fjord)																		*	
	Bodö	30·04	32	E	4	8	29·97	−·13	34	33	0	E	4	c	2	34	30	–	*	–
	Christiansund ...	29·95	35	ESE	2	8	30·03	+·13	38	36	0	ESE	3	0	3	39	32	–	*	0·04
	Skudesnaes ...	29·98	40	SSE	4	8	30·04	+·15	39	36	−3	SSE	6	0	4	42	39	c, 8	*	*
BRITISH ISLANDS.	Sumburgh Head	29·64	45	SE	6	0	29·75	+·18	45	43	0	SE	5	0	7	46	43	r, o	*	0·09
	Stornoway ...	29·51	41	✕	0	0	29·61	+·21	39	38	−1	✕	0	0	0	44	32	0	0·0	0·02
	Malin Head ...	29·44	40	ESE	5	cm	29·44	+·09	46	45	+6	ESE	6	0gm	4	46	37	8, cm	*	–
	Blacksod Pt. ...	29·30	46	SE	6	op	29·34	+·01	50	48	+10	ESE	5	c	4	50	39	cp, op	*	0·06
	Valencia	29·20	50	ENE	3	om	29·32	+·09	46	44	0	SSE	3	c	4	53	46	op, om	0·0	0·37
	Roche's Point ...	29·26	49	SSE	6	d	29·37	+·01	49	49	+2	SSE	4	0	5	50	47	r, d	*	0·46
	Parsonstown ...	29·36	47	?W	3	r	29·42	+·02	50	46	+16	E	2	or	*	53	?34	o, r	0·0	0·05
	Donaghadee ...	29·55	47	SE	4	c	29·58	+·18	47	46	+6	S	5	rg	5	47	38	–	*	0·06
	Liverpool Obsy.	29·64	40	SSE	3	8	29·65	+·12	42	41	+1	SE	4	0	?	44	39	8m	*	–
	Holyhead ...	29·53	45	SE	2	c	29·54	+·10	47	46	+2	ESE	2	dm	2	47	43	cdpm	*	0·06
	Pembroke (St. Ann's)	29·46	48	SE	7	r	29·51	+·03	48	47	+1	SE	5	rgm	5	49	47	ou, r	0·0	0·33
	Scilly (St. Mary's)...																			
	Jersey (St. Aubins)...	29·66	48	SE	5	f	29·64	−·05	46	43	+1	ESE	5	cg	4	49	44	c, o, f	2·2	–
	Portland Bill ...	29·63	48	SSE	5	c	?29·63	+·03	46	45	+2	SSE	5	c	4	49	44	c	*	0·03
	Dungeness ...	29·74	47	SW	2	8c	29·78	+·08	43	42	−5	S	3	0	2	49	42	p, 8c	1·5	0·03
	Wick	29·55	44	SE	6	0	29·66	+·23	43	41	−2	S	5	c	5	47	40	–	*	0·02
	Nairn	29·57	38	✕	0	8	?29·67	+·28	34	33	−8	SE	1	8c	1	43	33	–	*	–
	Aberdeen ...	29·65	46	S	3	cm	29·77	+·34	43	42	−3	S	3	cm	3	46	38	om, cm	0·0	–
	Leith	29·62	43	SSE	1	c	29·71	+·32	38	37	−8	NE	1	8	*	49	32	–	*	–
	North Shields ...	29·63	44	SSW	1	om	29·74	+·25	40	40	−6	SE	2	f	2	46	34	cf, om	*	–
	Spurn Head ...	29·71	40	SSE	3	8	29·74	+·21	37	37	−4	SSE	4	f	2	45	33	–	*	–
	Yarmouth ...	29·72	44	SSE	2	8c	29·80	+·17	42	40	−2	SSE	4	og	4	46	39	8c	*	0·01
	Nottingham ...	29·69	38	E	1	8	29·74	+·18	39	38	−4	E	1	o	*	46	34	8	2·5	–
	Oxford	29·72	41	SSE	1	8	29·73	+·10	41	40	0	SE	2	o	*	48	40	–	*	–
	London (Brixton)...	29·72	43	SW	1	8	29·75	+·13	41	40	−1	ESE	3	8m	*	50	40	8c, 8mw	0·0	–
GERMANY, &c.	The Scaw (Skagen)	30·11	37	SE	4	0	30·11	+·07	35	32	−2	ESE	3	0	1	41	34	–	*	–
	Fanö	29·95	34	ESE	3	r	29·97	+·09	35	34	0	E	4	0	*	37	34	–	*	0·04
	Cuxhaven ...	29·88	34	ESE	3	0	29·92	+·11	33	33	−1	E	3	0	*	37	33	–	*	–
	The Helder ...	29·79	35	E	1	f	29·85	+·15	37	37	−2	E	1	0	0	39	35	–	*	–
	Brussels	*	*	*	*	*	29·89	+·15	38	36	−4	ESE	1	0	*	43	37	–	*	–
	Berlin	29·92	31	SE	2	s	29·95	+·09	32	32	0	ESE	1	0	*	34	30	–	*	0·04
	Frankfürt ...	29·89	41	SW	1	f	29·93	+·16	39	39	+1	SW	3	8c	*	41	38	–	*	–
	Munich	29·89	34	✕	0	0	29·94	+·18	33	33	+7	NE	1	f	*	?	?	–	*	–
FRANCE.	C. Gris Nez ...	29·79	41	SSW	3	8c	29·79	+·13	39	38	−4	SE	2	o	1	46	36	–	*	–
	Brest	29·51	50	S	5	r	29·48	−·11	51	51	+1	SE	4	f	5	51	48	–	*	0·20
	Lorient	29·61	50	S	5	r	29·53	−·13	50	50	+1	S	5	f	5	52	48	–	*	0·32
	Rochefort ...	29·74	46	S	4	c	29·65	−·12	43	41	−2	SE	4	c	*	52	41	c	*	–
	Biarritz	29·78	50	S	3	c	29·65	−·20	52	46	+7	S	5	8	1	52	45	–	*	–
	Paris	29·86	39	S	2	0	29·84	+·08	29	29	−10	SE	1	f	*	42	29	–	*	–
	Belfort	29·88	33	WSW	2	f	29·89	+·10	35	35	−1	ENE	4	f	*	38	32	–	*	0·43
	Lyons	29·92	39	S	1	8	29·93	+·04	32	32	−7	SSW	1	f	*	45	28	–	*	0·08
	Nice	29·86	41	✕	0	8	29·91	+·09	38	36	−1	ENE	3	8	3	48	37	–	*	–
	Perpignan ...	29·87	42	NW	1	8	29·76	−·13	38	38	+1	✕	0	8	*	54	37	–	*	–
SPAN. PEN.	Corunna																		*	
	Lisbon	29·64	56	SSW	6	r	29·60	−·30	53	?51	−2	W	4	8c	*	57	52	–	*	1·50
	Azores (P. Delgada)	29·80	54	NW	6	8	29·94	+·12	57	51	+3	NW	5	8	4	59	52	–	*	0·16
	„ (Horta) ...	29·93	54	NW	4	8	30·02	+·16	57	52	+3	W	4	8c	2	57	54	–	*	0·04

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

† *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR TUESDAY, 15TH DECEMBER 1903.

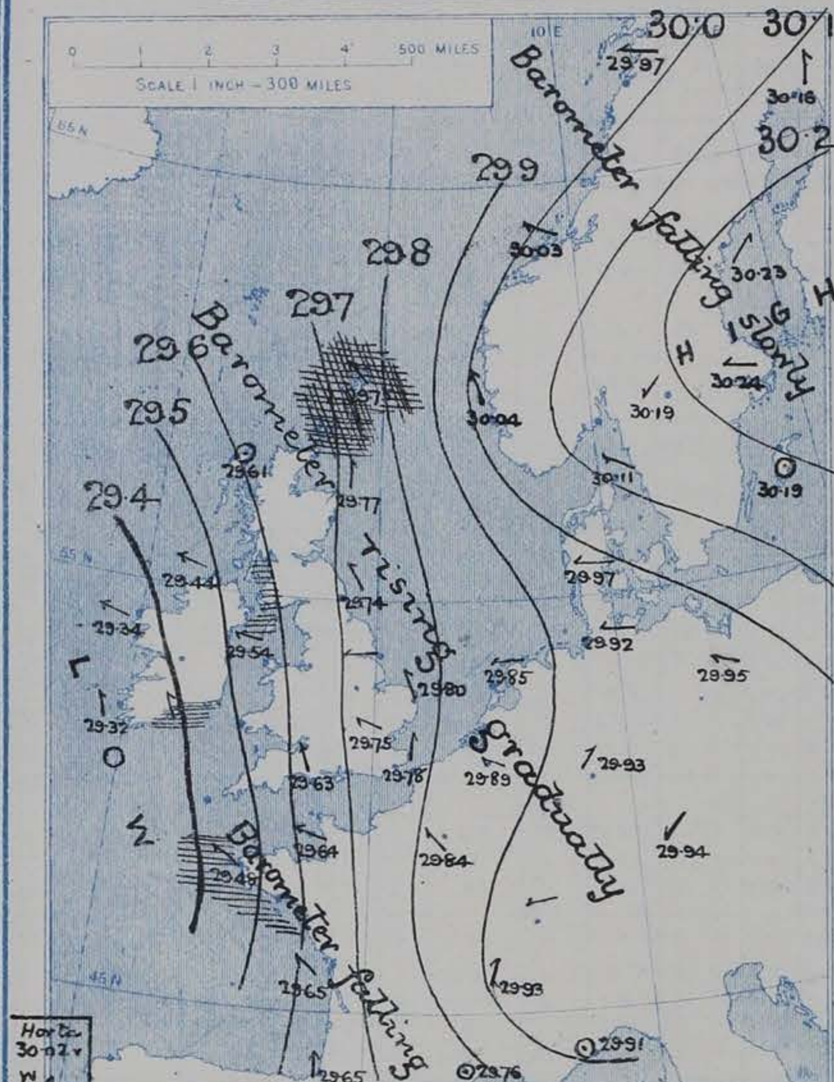
I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* } Calm ⊙

SEA.—Rough ; *High*

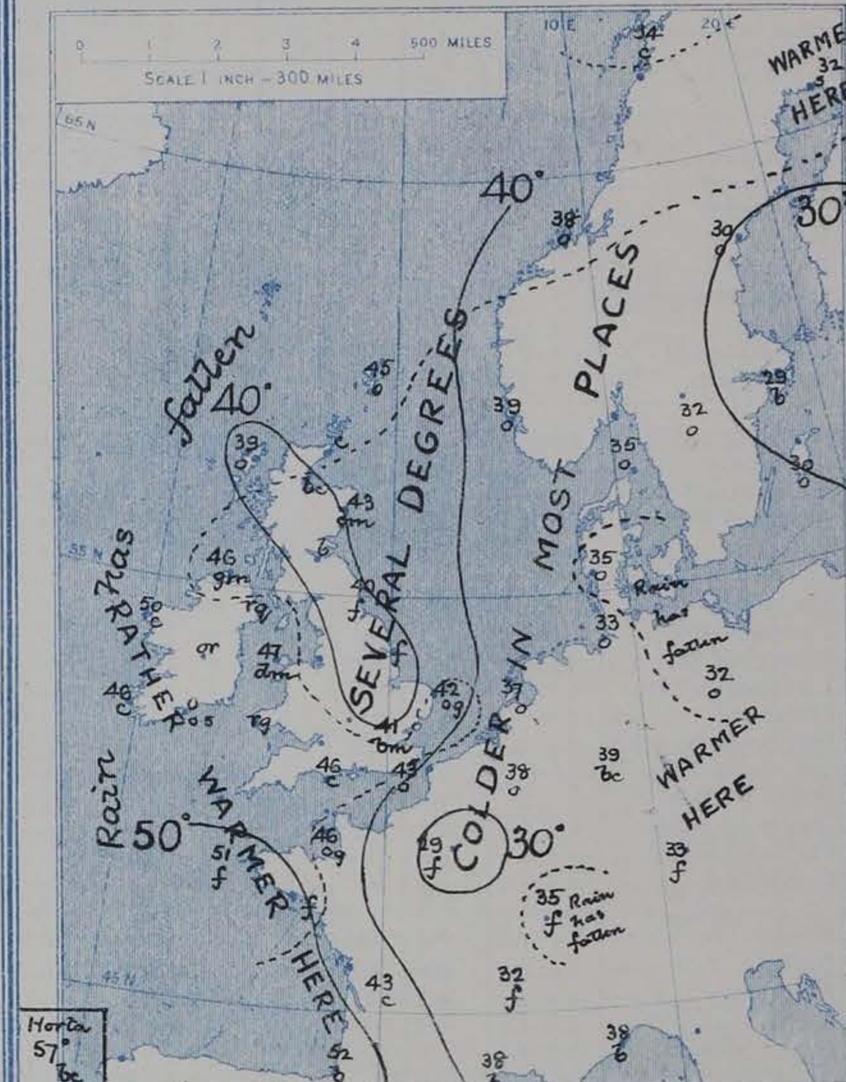


II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°

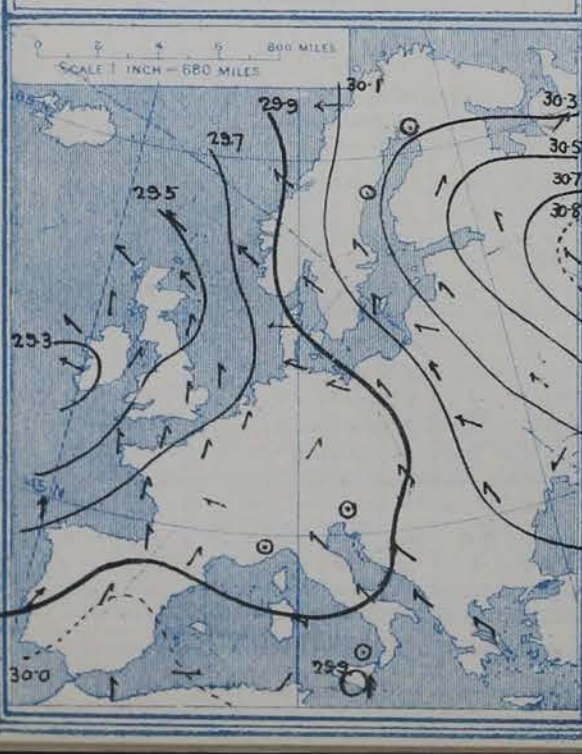
WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus - 0·6



III. BAROMETER AND WIND

Yesterday morning.



IV. GREATEST AND LEAST MONTHLY RAINFALL IN DECEMBER

During the 32 Years 1871–1902.

Specimen for LONDON { *Greatest Rainfall* 5·82 (IN 1876) ; *Least ...... Do.* ...... 0·27 (IN 1873)

V. *Means of* DAILY TEMPERATURE *at* 8 A.M. *for the monthly period* DECEMBER. *(1871–1900)*

GENERAL SITUATION AT 8 A.M.

PRESSURE

An area of very high pressure still occupies the whole of Eastern and Northeastern Europe, and it keeps in check disturbances coming eastward across the upper portion of the Atlantic. The deep disturbance of the past two days is now found to have moved westward, its centre lying beyond the southwest of Ireland, where the barometer is below 29·3 ins. In a shallow disturbance over Scotland the decline of the mercury has almost ceased, while over England and France there has been a decided increase of pressure.

WIND TEMPERATURE WEATHER AND SEA

A moderate E.S.E ly. gale is reported at Valencia, and a fresh S.E ly. wind in the northeast of Scotland, but over the Kingdom generally the wind is moderate to light from between S.W. and S.E. Over France and Western Germany a moderate or light S.W ly. to S ly. breeze prevails, other Continental districts having a S.E ly. current, light as a rule, but fresh or strong locally on the Norwegian coast. Temperature has changed irregularly over our Islands, fallen at nearly all Continental stations. Present readings range from 34° at Parsonstown and 40° up the northwestern coasts to 47° at Pembroke and Roche's Point and 48° at Dungeness; from 26° at Haparanda and Munich and 32° at Berlin to 49° at Lorient and 50° at Brest. The weather generally is much finer than of late, but rain is falling at Valencia and in the northeast of Scotland. In the south of France and on the west coast of Norway it is fine, elsewhere on the Continent it is dull, with rain at Belfort and Karlstad, and fog at Haparanda and Munich. The sea is high off the Shetlands, rough off Valencia and rather rough off Aberdeen and Lorient, moderate to smooth in other localities.

During yesterday temperature rose to 50° at several of the south coast stations, the lowest maximum being 42°, at Nairn and Parsonstown. Most places had no bright sunshine, but Aberystwyth had 2 hours and Blacton 3·6 hours.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The disturbances in the west and north appear to be passing out to the Atlantic and the conditions are therefore likely to improve in most parts of our Islands, with a prevalence of winds from between S.W. and S.E., and temperature rather above the normal.

FORECASTS*

For the 24 hours ending at NOON on 15TH DECEMBER, 1903

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	S.E. ly. to S. ly. breezes, fresh to light; changeable, showery to fair.
1 SCOTLAND EAST	
2 ENGLAND N.E.	
3 ENGLAND EAST	Light or moderate S. ly. breezes; generally fair or fine, local showers.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	Same as Nos. 0 to 2.
7 ENGLAND N.W.	Moderate S.W. ly. to S. ly. breezes; fair generally, some showers.
8 ENGLAND S.W	
9 IRELAND NORTH	Moderate or light S.E. ly. to S. ly. breezes; fair or fine, local showers.
10 IRELAND SOUTH	
WARNINGS	The Signals are still flying in Districts 1, 2, 3, 9, and parts of 0 and 10.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph; see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.					This Morning 8 a.m.									Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind Direc^n	Wind Force	Weather.	Barometer. Ins.	Barometer. Change	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direc^n	Wind Force	Weather.	Sea.	Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	bc	*	46	42	bo, bw	3.6	–
Bath	29.19	40	SE	5	0	29.60	+.45	41	39	– 6	5	1	0	*	49	39	–	0.0	0.13

REPORTS FOR YESTERDAY.

STATIONS.	Temperture F. Max.	Temperture F. Min.	Weather.	Sunshine Hrs.	Rainfall. Ins.	STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine Hrs.	Rainfall. Ins.
	°	°					°	°			
Southport, to 9 p.m.... ...	45	40	r, or	0.0	0.19	Broadstairs...	*	*	*		*
Rhyl, to 6 p.m.	*	*	*	0.0	*	Margate	48	*	b	1.0	*
Llandudno...	*	*	*	0.0	*	Lowestoft, to 6 p.m.... ...					
Bettws-y-Coed, to 6 p.m. ...	46	34	c, op, bc	0.0	*	Skegness	*	*	*	0.0	*
Aberystwyth, to 6 p.m. ...	46	41	c, r	2.0	0.03	Scarborough, to 6 p.m. ...	45	*	*	0.0	*
Plymouth, to 9 p.m.... ...						Harrogate, to 6 p.m. ...	43	34	or, o	0.0	0.05
Worthing	*	*	*	0.0	*	Manchester, to 9 p.m. ...					
Brighton	50	*	*	0.0	*	Darwen, to 7 p.m.	43	36	om, o	0.0	–
Eastbourne, to 6 p.m. ...	49	*	*	0.0	*	Birmingham, to 9 p.m. ...	46	39	o, r, o	0.0	0.31
Hastings	*	*	*	0.2	*						

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 13th Decr. 1903.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	STATIONS.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.
Obsns. not received.					Obsns. not received.				
Copenhagen					Algiers		*		
Utrecht...					Tunis		*		
Groningen					Madeira (Funchal)		*		
Vienna					12th Decr.	1 p.m.	*	1 p.m.	Measured 7 a.m.
Marseilles					Geneva	41	*	0	0.35
Florence					Berne	36	*	0	0.67
Rome					Coire	36	*	c	0.91
Naples					Castasegna	36	*	r	2.38
Palermo					Lugano ... ...Not recd.		*		
Malta					Davos	32	*	c	0.24

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.‡ (W.B.T.)	6 p.m.
Holland	8 a.m. („ „)	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores: Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores: Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

14th Decr. 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	7.59	11.48	3.36
Greenwich	8.0	11.55	3.49
Wick	8.57	12.7	3.16
Valencia	8.44	12.36	4.27

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
„ Weekly „ „ „ £1 10 0 „ Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 16th December, **1903.**

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. **W. N. SHAW.** *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M. S. L. Ins.	Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Wet Bulb. °	Change since Yesterday. °	Wind. Direc.	Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Min. °	Weather	Sunshine. — Hours.	Rainfall. — Ins.
SCANDINAVIA.	Haparanda ...	30·06	28	W	2	0	29·97	−·19	26	25	− 6	WSW	2	0	*	32	23	–	*	–
	Hernösand ...	30·16	28	✕	0	b	30·07	−·16	27	26	− 3	✕	0	0	*	34	27	–	*	–
	Stockholm ...	30·17	31	ENE	2	r	30·10	−·14	31	30	+ 2	ENE	2	0	*	34	28	–	*	–
	Wisby	30·13	30	SE	2	0	30·08	−·11	30	28	0	✕	0	0	*	36	28	–	*	–
	Karlstad	30·19	30	N	2	0	30·13	−·06	28	26	− 4	N	2	0	*	*	*	–	*	–
	Færder (X'iania Fjord)																		*	
	Bodö	29·89	35	E	4	0	29·81	−·16	35	34	+ 1	E	2	0	1	35	30	–	*	?
	Christiansund ...	30·01	37	SW	4	0	29·96	−·07	39	35	+ 1	W	2	0	3	39	36	–	*	0·12
	Skudesnaes ...	30·07	36	SE	6	0	30·04	·00	36	33	− 3	SE	4	0	3	39	34	0	*	*
BRITISH ISLANDS.	Sumburgh Head	29·78	44	SE	4	0	29·82	+·07	42	40	− 3	SE	4	0	6	46	42	c, o	*	0·12
	Stornoway ...	29·64	44	SSE	2	r	29·66	+·05	43	42	+ 4	SE	2	0	2	46	37	o, r	0·0	0·04
	Malin Head ...	29·52	45	SE	7	r	29·60	+·16	40	39	− 6	SE	4	o g m	3	46	39	r	*	0·09
	Blacksod Pt. ...	29·50	47	SE	3	b	29·51	+·17	45	43	− 5	SE	5	c p	4	50	44	o, b	*	0·04
	Valencia	29·43	48	E	3	o m	29·49	+·17	46	45	0	ENE	1	0	4	51	45	b c, o m	3·3	0·05
	Roche's Point ...	29·43	50	SE	3	r m	29·52	+·15	45	45	− 4	ESE	3	r g	3	50	45	m, r m	*	0·26
	Parsonstown ...	29·52	48	E	1	b c	29·56	+·14	43	41	− 7	SE	3	0	*	51	40	o p, b c	0·0	0·02
	Donaghadee ...	29·63	46	S	4	r g	29·66	+·08	44	42	− 3	SSE	4	o g	4	47	42	–	*	0·08
	Liverpool Obsy.	29·68	38	ESE	3	0	29·70	+·05	38	36	− 4	SE	3	0	?	43	38	o m p	*	0·02
	Holyhead ...	29·59	45	SE	1	o g p m	29·61	+·07	39	37	− 8	ESE	2	b	2	47	37	o g p m	*	0·12
	Pembroke (St. Ann's)	29·53	47	SE	6	r	29·54	+·03	42	40	− 6	E	6	o g	5	48	41	r, o g	0·0	0·40
	Scilly (St. Mary's)...																			
	Jersey (St. Aubins)...	29·56	47	ESE	4	o g	29·49	−·15	43	41	− 3	E	4	o m d	3	48	41	c, o g	0·0	0·02
	Portland Bill ...	29·59	46	SE	5	c	29·51	−·12	44	42	− 2	E	6	c	4	48	42	c	*	0·01
	Dungeness ...	29·73	43	ESE	4	c u	29·62	−·16	40	38	− 3	ESE	5	b c	3	44	38	c, c u	0·0	–
	Wick	29·71	43	S	4	0	29·72	+·06	43	41	0	S	4	0	3	45	40	–	*	–
	Nairn	29·69	37	ESE	1	c	29·72	+·05	34	32	0	ESE	1	b c	1	40	31	–	*	–
	Aberdeen ...	29·79	44	SSE	4	c	29·78	+·01	43	41	0	SSE	4	o g	3	45	42	c, o	0·0	–
	Leith	29·73	42	ENE	1	0	29·73	+·02	39	37	+ 1	E	1	b	*	43	36	–	*	–
	North Shields ...	29·74	40	S	2	0	29·75	+·01	40	39	0	SSE	1	r	2	43	36	f, o	*	0·05
	Spurn Head ...	29·76	39	SE	4	0	29·72	−·02	42	40	+ 5	SE	3	c	3	43	37	–	*	–
	Yarmouth ...	29·79	42	SE	4	c	29·71	−·09	42	39	0	E	6	c g	5	42	40	c	*	–
	Nottingham ...	29·74	40	E	2	0	29·71	−·03	36	35	− 3	ENE	1	c	*	42	34	0	0·0	–
	Oxford	29·70	40	ESE	2	0	29·64	−·09	40	38	− 1	E	3	b c	*	45	39	c, o	*	–
	London (Brixton)...	29·69	41	SSE	2	0	29·62	−·13	40	39	− 1	E	4	c m	*	45	38	c, o, b c	0·0	–
GERMANY, &c.	The Scaw (Skagen)	30·10	34	SE	1	0	30·06	−·05	34	32	− 1	ESE	3	0	1	37	34	–	*	–
	Fanö	29·98	33	E	4	r	29·95	−·02	33	32	− 2	E	4	0	*	39	32	–	*	–
	Cuxhaven ...	29·93	33	ESE	2	0	29·89	−·03	33	33	0	E	2	o m	*	36	32	–	*	–
	The Helder ...	29·84	37	E	1	0	29·77	−·08	37	37	0	E	1	0	1	37	34	–	*	–
	Brussels	*	*	*	*	*	29·71	−·18	32	32	− 6	E	1	b	*	42	31	–	*	–
	Berlin	29·94	33	SE	1	0	29·92	−·03	33	33	+ 1	SE	1	0	*	34	32	–	*	–
	Frankfürt ...	29·88	41	✕	0	b	29·82	−·11	38	38	− 1	✕	0	b	*	43	37	–	*	–
	Munich	29·88	32	NE	3	s	29·80	−·14	31	31	− 2	E	4	c	*	34	30	–	*	0·04
FRANCE.	C. Gris Nez ...	29·75	37	E	2	f	29·61	−·18	32	32	− 7	E	4	m	4	41	32	–	*	–
	Brest	29·42	45	ESE	4	r	29·36	−·12	46	46	− 5	ESE	4	0	5	51	45	–	*	0·83
	Lorient	29·45	45	SE	5	r	29·42	−·11	47	47	− 3	ESE	3	c	5	54	43	–	*	0·24
	Rochefort ...	29·53	45	SE	3	0	29·51	−·14	45	44	+ 2	SSE	3	c	*	48	43	c, o	*	0·12
	Biarritz	29·53	51	Z	0	c	29·50	−·15	52	46	0	S	3	c	4	54	46	–	*	–
	Paris	29·73	36	ENE	2	b	29·61	−·23	35	33	+ 6	ESE	2	c	*	44	29	–	*	–
	Belfort	29·82	35	ENE	1	b	29·74	−·15	30	30	− 5	ENE	3	0	*	38	30	–	*	–
	Lyons	29·75	37	N	1	b	29·69	−·24	39	37	+ 7	NW	1	0	*	43	32	–	*	–
	Nice	29·88	41	✕	0	r	29·78	−·13	42	41	+ 4	✕	0	r	3	48	38	–	*	0·47
	Perpignan ...	29·59	48	SE	1	0	29·54	−·22	40	38	+ 2	SW	2	b	*	53	38	–	*	–
SPAN. PEN.	Corunna																		*	
	Lisbon	29·51	51	W	6	b	29·46	−·14	54	51	+ 1	WNW	6	r	*	57	48	–	*	0·39
	Azores (P. Delgada)																		*	
	,, (Horta) ...	30·12	60	WNW	4	b c	30·11	+·09	60	58	+ 3	W	4	b	2	63	57	–	*	–

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

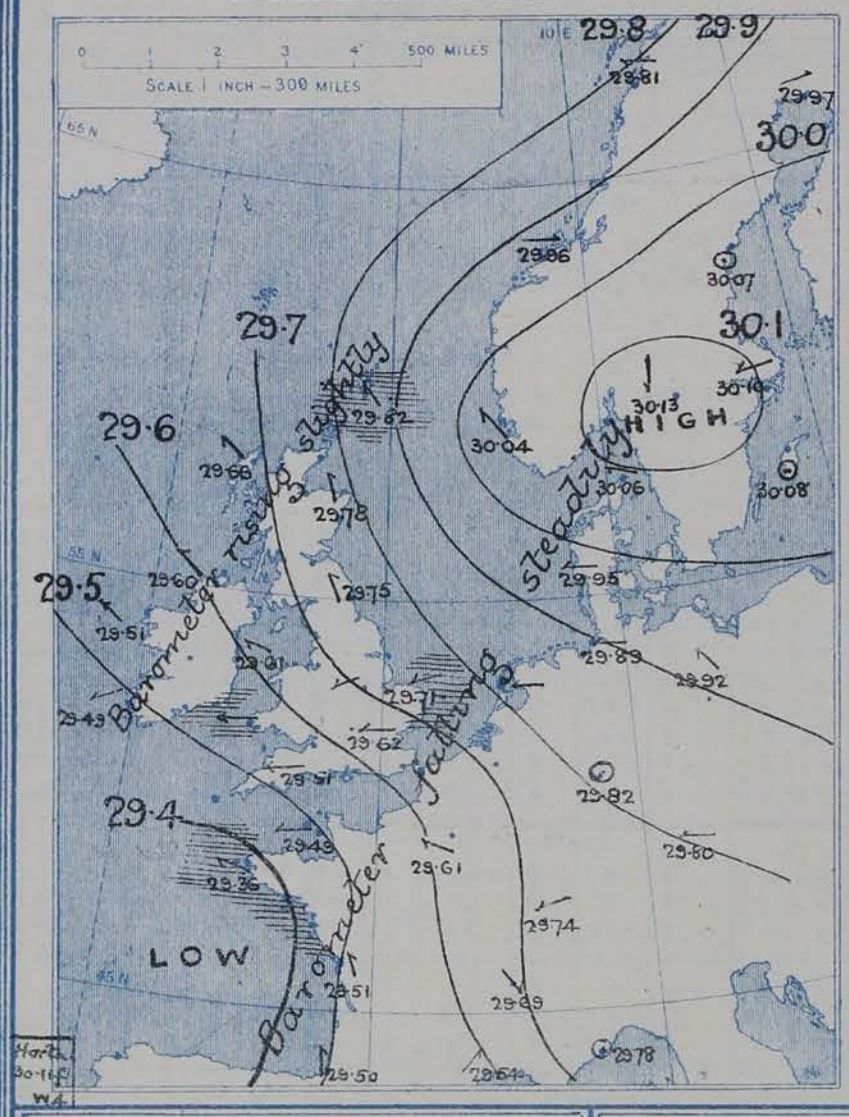
† *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR WEDNESDAY, 16TH DECEMBER, 1903.

I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.
Force above 10 — *Force 8 to 10* — *Force 5 to 7* — *Force 1 to 4* — Calm
SEA.—Rough — *High*

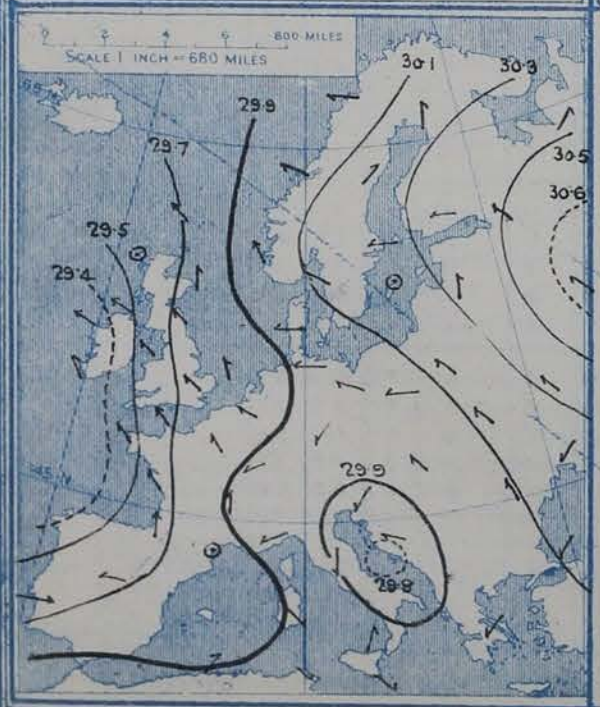


II. TEMPERATURE AND WEATHER. *This Morning.*

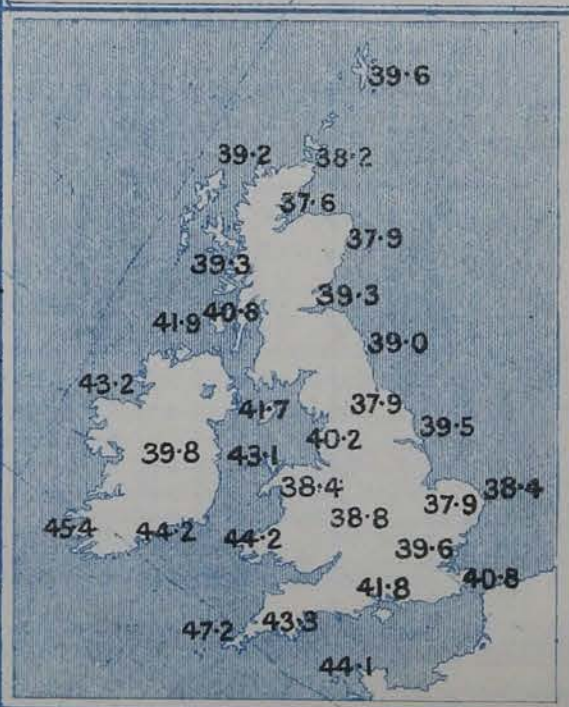
TEMPERATURE.—Isotherms are drawn for each 10°
WEATHER.—Shown by Letters of the Beaufort Scale. *(See P. 4.)*
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus – 0·6

III. BAROMETER AND WIND

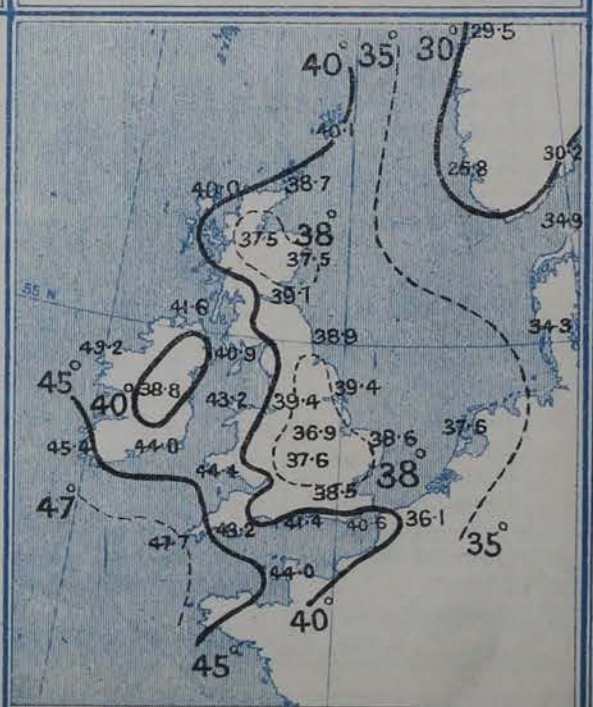
Yesterday morning.



IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMPERATURES *combined for the month of* DECEMBER. *(1871–1900.)*



V. *Means of* DAILY TEMPERATURE *at 8 A.M. for the monthly period* DECEMBER. *(1871–1900)*



GENERAL SITUATION AT 8 A.M.

PRESSURE

Pressure is decreasing slightly over Sweden and the north of Norway, but it is increasing over our islands and the North Sea region, and the depression which was situated off the southwest of Ireland yesterday morning appears to have moved on about a southeasterly path to the Bay of Biscay, causing a fall of the barometer over the western half of France, the decline being greatest at Biarritz. The readings range from about 29.3 ins. at Valencia to above 30.2 ins. at Stockholm and Hernösand.

WIND TEMPERATURE WEATHER AND SEA

Winds from between S. and E. are reported on all our coasts, varying in force from a light air to a fresh or strong breeze. At most of the Continental stations the current is SEy. to Ely. but in few places is there more than a moderate breeze felt. Temperature has risen over Ireland, the western half of England, the northwest and extreme south of France and Western Germany, fallen in most other districts. The present values are from 34° at Nairn and 37° at Spurn Head to 49° at Roches Point and 50° at Blacksod Point and Parsonstown; from 29° at Stockholm and 30° at Hernösand and Visby to 51° at Brest and 52° at Biarritz. The weather is very variable, from fine to dull and gloomy, with mist or fog in places, and rain in Wales and the east of Ireland. Fog extends from the Bay of Biscay eastward into Bavaria, and dulness prevails in most other parts of the Continent, with snow at Haparanda. The sea is high off the Shetlands, rather rough off Wick and on our southwestern coasts and down the Bay of Biscay.

Some of the maximum temperatures within the past 24 hours occurred in the night, rising to from 50° to 53° in most parts of Ireland, and 50° or 51° in the south of England. The lowest of the maxima were 44° at Liverpool and Stornoway and 43° at Nairn. While some localities had no bright sunshine others had several hours, 5.1 hrs. at Brighton and 5.2 hours at Worthing.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The baric rise over Northwestern Europe favours the progress of the disturbance now over the Bay of Biscay in a southeasterly direction and the development of a Southeasterly to Easterly type of weather over our Islands, with a general prevalence of fair dry weather, but some passing showers or fog locally.

FORECASTS*

For the 24 hours ending at NOON on 16TH DECEMBER, 1903

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SEy. to Ely. breezes, moderate to light; fair generally, local showers or mist.
1 SCOTLAND EAST	
2 ENGLAND N.E.	SEy. to Ely. breezes, moderate to light; fair or fine as a whole, some mist or fog.
3 ENGLAND EAST	
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	Same as Nos. 0 and 1.
7 ENGLAND N.W.	Same as Nos. 2 to 5.
8 ENGLAND S.W	SEy. to Ely. winds, strong to moderate; changeable, thick + rainy to fair.
9 IRELAND NORTH	SEy. to Ely. winds, strong to light; dull, misty and showery at first, improving later.
10 IRELAND SOUTH	
WARNINGS	At 7.30 pm. yesterday to Districts 8 and 10, "HOIST SOUTH CONE".

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph; see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.					This Morning 8 a.m.									Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind Direct.	Wind Force	Weather.	Barometer. Ins.	Barometer. Change	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direct.	Wind Force	Weather.	Sea.	Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	0g	*	47	39	8c, 8, 0	3·8	–
Bath	29·64	45	SW	2	c	29·66	+·06	45	44	+4	S	5	8c	*	49	38	–	2·8	0·01

REPORTS FOR YESTERDAY.

STATIONS.	Temperture F. Max.	Temperture F. Min.	Weather.	Sunshine Hrs.	Rainfall. Ins.	STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine Hrs.	Rainfall Ins.
Southport, to 9 p.m.... ...	46	38	or, c, 8	3·2	0·13	Broadstairs...	*	*	*		*
Rhyl, to 6 p.m.	*	*	*	4·8	*	Margate	49	*	8, w	0·5	*
Llandudno...	*	*	*	4·7	*	Lowestoft, to 6 p.m.... ...	48	39	8cm, 8	3·1	–
Bettws-y-Coed, to 6 p.m. . .	46	29	8, 8c	3·1	*	Skegness	*	*	*	4·5	*
Aberystwyth, to 6 p.m. ...	48	42	r, c	3·0	0·15	Scarborough, to 6 p.m. ...	46	*	*	0·0	*
Plymouth, to 9 p.m.... ...	50	38	op	0·0	0·15	Harrogate, to 6 p.m. ...	45	42	om, 8c	0·2	0·06
Worthing	*	*	*	5·2	*	Manchester, to 9 p.m. ...	47	40	8c, 8	2·5	0·01
Brighton	51	*	*	5·1	*	Darwen, to 9 p.m.	44	36	or, cm	0·4	0·12
Eastbourne, to 6 p.m. ...	50	*	*	2·2	*	Birmingham, to 9 p.m. ...	45	38	8, c, 8	2·7	–
Hastings	*	*	*	2·9	*						

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 14th Decr, 1903.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	STATIONS.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.
Copenhagen	39	36	o, o	–	Algiers	63	50	r, o	0·16
Utrecht...	46	36	o, c	–	Tunis	63	39	o, o	0·08
Groningen	41	32	o, f	–	Madeira (Funchal) Not recd.				
Vienna	39	36	o, o	–	15th Decr. not received.	1 p.m.	*	1 p.m.	Measured 7 a.m.
Marseilles	57	39	o, o	2·32	Geneva		*		
Florence	46	44	o, o	0·24	Berne		*		
Rome	55	50	o, r	0·16	Coire		*		
Naples	55	49	c, o	–	Castasegna		*		
Palermo	67	44	8, o	–	Lugano		*		
Malta	63	53	?, c	–	Davos		*		

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.‡ (W.B.T.)	6 p.m.
Holland	8 a.m. („ „)	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores { Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

15th Decr. 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	8.0	11.48	3.36
Greenwich	8.1	11.55	3.49
Wick	8.58	12.7	3.16
Valencia	8.45	12.36	4.27

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
„ Weekly „ „ „ £1 10 0 „ Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Thursday, 17th December, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins.	Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Wet Bulb. °	Change since Yesterday. °	Wind. Direc.	Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.83	28	S	2	0	29.97	.00	27	25	+ 1	N	2	0	*	28	23	–	*	–
	Hernösand ...	30.03	27	N	0	8	30.06	– .01	31	29	+ 4	N	0	8	*	31	23	–	*	–
	Stockholm ...	30.16	30	E	2	0	30.21	+ .11	29	27	– 2	WSW	2	0	*	32	28	–	*	–
	Wisby	30.05	33	E	2	0	30.21	+ .13	28	26	– 2	N	0	8	*	36	28	–	*	–
	Karlstad	30.16	28	NW	2	0	30.21	+ .08	28	27	0	N	2	0	*	*	*	–	*	–
	Færder (X'tania Fjord)																		*	
	Bodö	29.76	39	SE	2	r	30.01	+ .20	36	33	+ 1	N	2	0	1	39	32	–	*	0.39
	Christiansund ...	30.01	39	SW	1	8	30.06	+ .10	36	35	– 3	ESE	1	0	3	39	36	–	*	–
	Skudesnaes ...	30.08	36	ESE	6	0	30.08	+ .04	36	33	0	ESE	6	0	4	37	36	0	*	*
BRITISH ISLANDS.	Sumburgh Head	29.82	41	SE	4	0	29.76	– .06	41	39	– 1	SE	5	0	6	42	38	c, o	*	0.02
	Stornoway ...	29.66	39	WSW	1	c	29.56	– .10	43	39	0	SSE	5	0	5	45	37	o, c	0.0	–
	Malin Head ...	29.60	39	SE	3	cm	29.55	– .05	41	40	+ 1	S	5	o g p	4	42	38	8c, cm	*	0.04
	Blacksod Pt. ...	29.54	44	SE	5	om	29.63	+ .12	44	40	– 1	WNW	4	8	3	47	42	rm, om	*	0.23
	Valencia	29.59	43	N	0	c	29.72	+ .23	38	36	– 8	N	0	c	4	50	38	8c, c	1.1	0.06
	Roche's Point ...	29.59	45	ESE	3	d	29.72	+ .20	43	42	– 2	NNE	3	8	1	46	41	o, d	*	0.08
	Parsonstown ...	29.61	42	E	1	c	29.71	+ .15	36	35	– 7	SE	1	8	*	44	34	o, c	0.0	–
	Donaghadee ...	29.66	44	SSE	3	cg	29.63	– .03	42	42	– 2	S	1	r	2	45	41	c, g	*	0.06
	Liverpool Obsy.	29.70	37	SE	3	o	29.74	+ .04	37	36	– 1	SSE	1	r	?	41	37	om	*	0.02
	Holyhead ...	29.64	37	N	0	8	29.68	+ .07	43	42	+ 4	S	2	o g m	1	43	35	c, 8	*	0.03
	Pembroke (St. Ann's)	29.59	42	E	5	o	29.72	+ .18	42	41	0	E	2	m g	2	43	40	–	0.0	0.02
	Scilly (St. Mary's)...																			
	Jersey (St. Aubins)...	29.59	46	SE	3	og	29.75	+ .26	46	45	+ 3	ESE	3	o m d	3	46	42	o d m, o g	0.0	0.03
	Portland Bill ...	29.58	44	ESE	5	o p	29.72	+ .21	46	45	+ 2	SE	3	c	3	46	43	o, o p	*	0.02
	Dungeness ...	29.60	41	E	4	m	29.78	+ .16	46	45	+ 6	SSW	3	m	2	46	39	m	1.7	0.01
	Wick	29.73	43	S	4	o	29.65	– .07	43	42	0	S	5	o m	4	45	40	–	*	–
	Nairn	29.72	35	E	1	8c	29.64	– .08	34	32	0	SE	1	c	1	40	32	–	*	–
	Aberdeen ...	29.78	41	SSE	4	o	29.73	– .05	42	41	– 1	SSE	3	o m	3	44	39	r, o, p	0.0	0.10
	Leith	29.73	41	E	1	o	29.68	– .05	40	37	+ 1	SE	3	o	*	41	34	c, o	*	–
	North Shields ...	29.71	40	N	0	o p	29.74	– .01	41	39	+ 1	S	2	f	3	42	38	r, o, p	*	0.09
	Spurn Head ...	29.72	41	ESE	3	8c	29.74	+ .02	41	40	– 1	SE	1	8c	2	44	40	–	*	–
	Yarmouth ...	29.70	43	SE	6	c	29.75	+ .04	43	42	+ 1	SSE	1	o g	4	43	40	c	*	–
	Nottingham ...	29.69	39	E	1	c	29.74	+ .03	37	36	+ 1	E	1	o	*	41	35	8, c	1.4	–
	Oxford	29.67	40	NE	2	o	29.77	+ .13	38	38	– 2	N	0	o	*	42	37	o	*	–
	London (Brixton)...	29.63	42	E	4	c	29.75	+ .13	40	40	0	SE	2	g m	*	44	38	c	0.0	–
GERMANY, &c.	The Scaw (Skagen)	30.12	36	ESE	3	o	30.17	+ .11	34	31	0	ESE	3	o	1	36	32	–	*	–
	Fanö	30.00	34	E	4	o	30.03	+ .08	35	34	+ 2	E	3	o	*	37	33	–	*	–
	Cuxhaven ...	29.92	34	E	3	o	29.98	+ .09	35	34	+ 2	E	4	o	*	37	33	–	*	–
	The Helder ...	29.76	38	E	2	o	29.83	+ .06	38	37	+ 1	ESE	2	o	1	39	36	–	*	–
	Brussels	*	*	*	*	*	29.84	+ .13	38	37	+ 6	N	0	o	*	40	32	–	*	0.04
	Berlin	29.97	35	SSW	1	o	30.04	+ .12	33	33	0	SE	1	o	*	35	30	–	*	–
	Frankfürt ...	29.85	38	SE	2	o	29.95	+ .13	36	36	– 2	SE	2	o	*	41	34	–	*	–
	Munich	29.82	28	E	5	o	29.93	+ .13	27	27	– 4	E	3	o	*	32	27	–	*	–
FRANCE.	C. Gris Nez ...	29.65	36	ENE	2	m	29.77	+ .16	41	40	+ 9	S	2	m	2	41	32	–	*	–
	Brest	29.50	50	S	3	c	29.71	+ .35	48	45	+ 2	N	3	8c	3	52	46	–	*	0.04
	Lorient	29.54	49	S	2	8	29.71	+ .29	49	48	+ 2	NNW	2	m	3	54	45	–	*	0.16
	Rochefort ...	29.53	46	S	2	c	29.74	+ .23	43	42	– 2	SE	2	8c	*	50	41	c	*	–
	Biarritz	29.59	54	SSW	3	o	29.79	+ .29	47	47	– 5	SSE	2	o	2	57	46	–	*	0.55
	Paris	29.63	38	E	1	8	29.82	+ .21	31	31	– 4	N	0	f	*	41	30	–	*	–
	Belfort	29.74	33	ENE	2	r	29.86	+ .12	32	31	+ 2	ENE	2	o	*	37	30	–	*	0.08
	Lyons	?29.71	42	NE	1	o	29.86	+ .17	39	38	0	WNW	1	o	*	44	37	–	*	0.04
	Nice	29.76	44	N	0	o	29.80	+ .02	47	42	+ 5	ENE	2	o	4	48	41	–	*	0.20
	Perpignan ...	29.72	47	NW	1	8	29.73	+ .19	49	46	+ 9	NW	3	o	*	58	40	–	*	0.12
SPAN. PEN.	Corunna																		*	
	Lisbon														*				*	
	Azores (P. Delgada)																		*	
	„ (Horta) ...	30.07	63	SSW	4	o	30.04	– .07	64	62	+ 4	SW	5	o	2	64	60	–	*	–

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

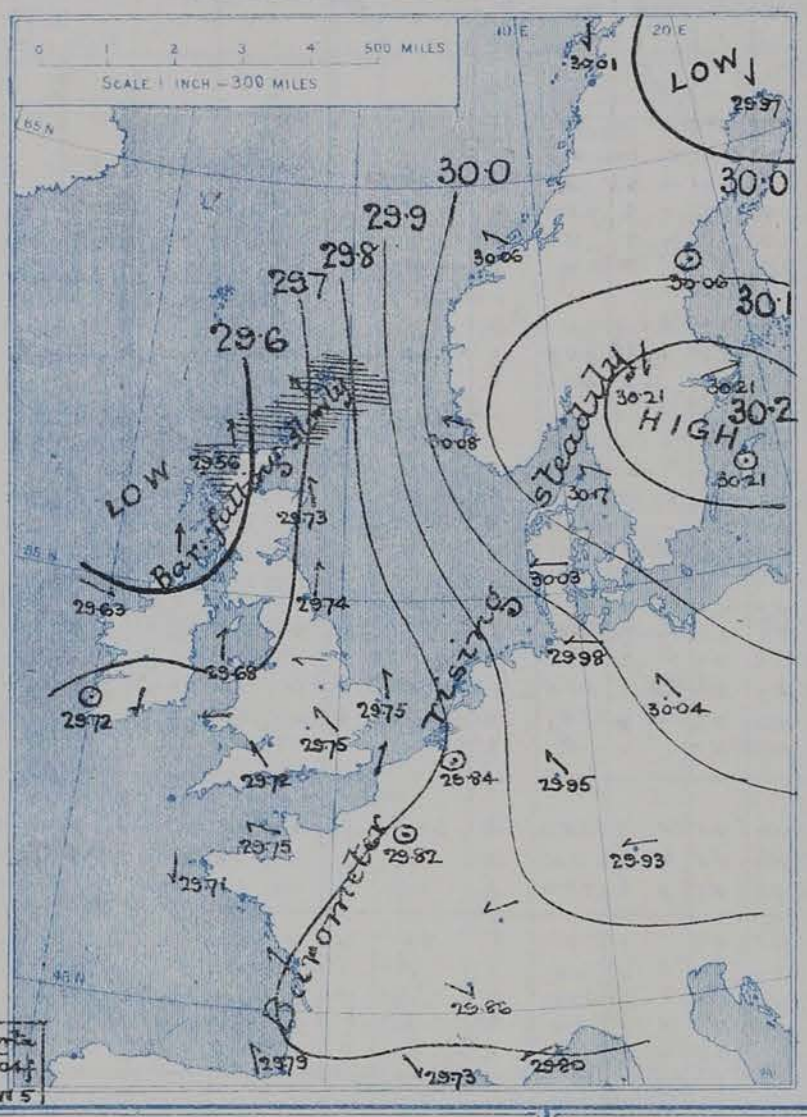
† *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR THURSDAY, 17TH DECEMBER, 1903.

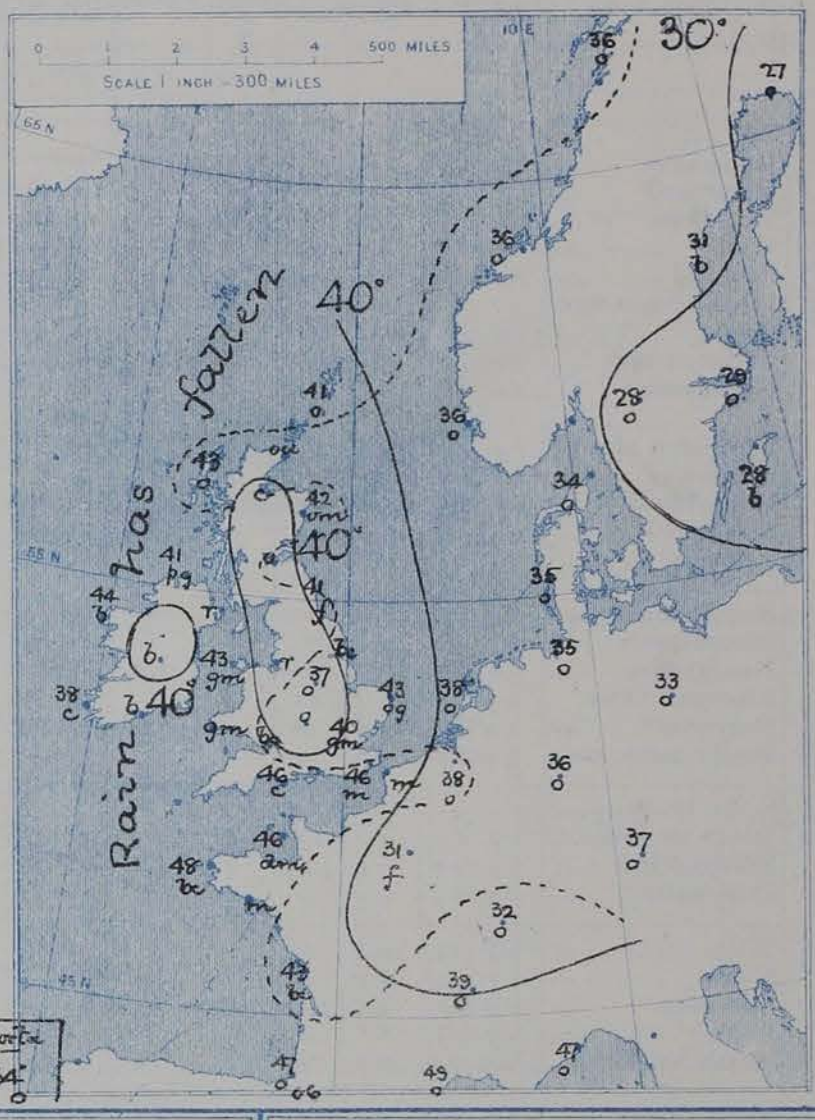
I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.
Force above 10 ; *Force 8 to 10* ; *Force 5 to 7* ; *Force 1 to 4* ; Calm
SEA.—Rough ; *High*



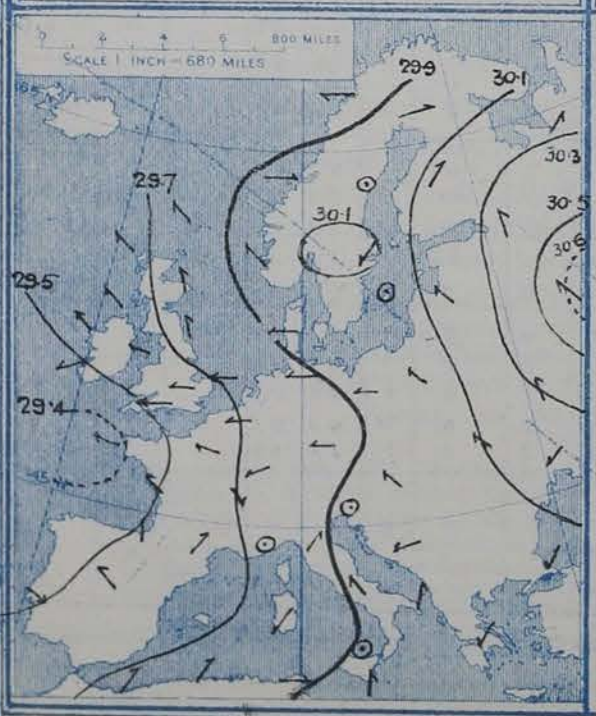
II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°
WEATHER.—Shown by Letters of the Beaufort Scale. *(See P. 4.)*
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus – 0·6

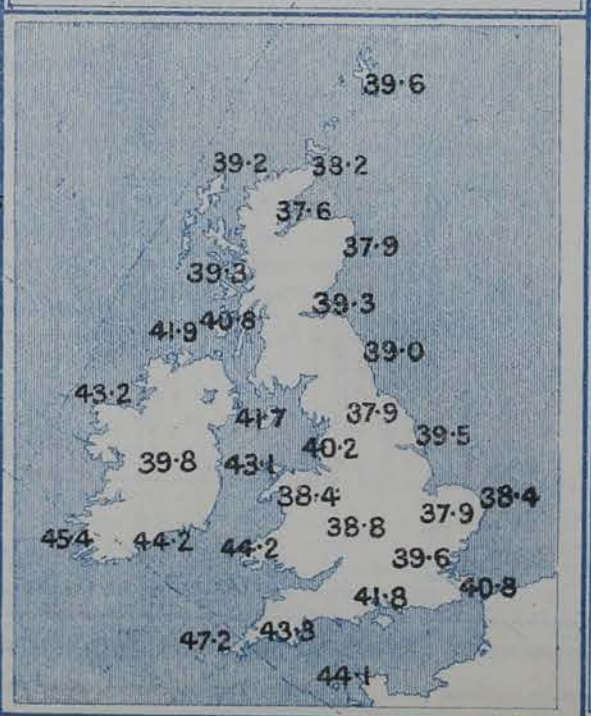


III. BAROMETER AND WIND

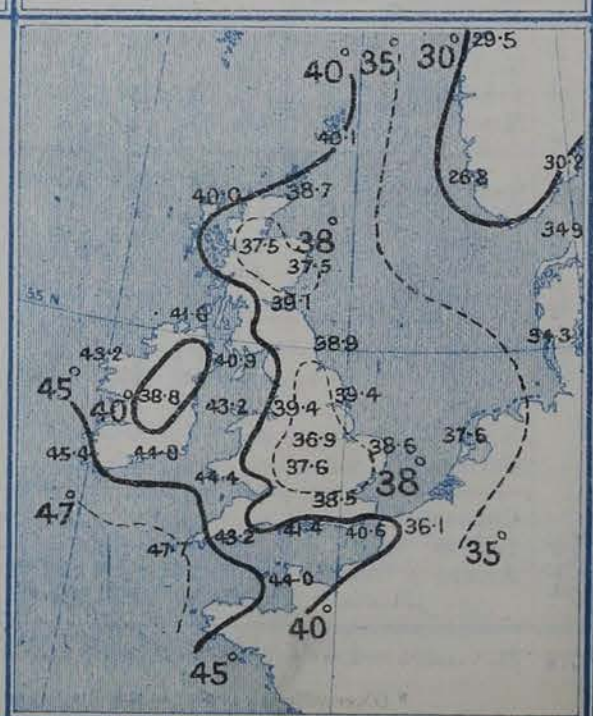
Yesterday morning.



IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMPERATURES *combined for the month of* DECEMBER. *(1871–1900.)*



V. *Means of* DAILY TEMPERATURE *at 8 A.M. for the monthly period* DECEMBER. *(1871–1900)*



GENERAL SITUATION AT 8 A.M.

PRESSURE

The anticyclone over Eastern Europe is decreasing in intensity, but a small secondary maximum, barometer above 30·1 ins., has been formed over Southern Sweden. A low pressure system still occupies the Bay of Biscay, and it is expanding eastward, so that the barometer is giving way at a moderate rate over the southeast of England and the western portion of the Continent. On the upper part of the Bay the barometer is below 29·4 ins. At our northern and western stations the changes of pressure are slight.

WIND

An E.ly. wind, fresh or strong in places, is reported over the southern half of our Islands, and a S.E.ly. breeze, moderate or light in force, further north. A S.E.ly. to E.ly. current prevails at the Continental stations, but nowhere does it exceed a moderate breeze.

TEMPERATURE

Temperature has again changed irregularly both at home and abroad. The morning readings range from 34° at Nairn and 36° at Nottingham to 45° at Blackwood Point and Roche's Point and 46° at Valencia; from 26° at Haparanda and 27° at Hernösand to 47° at Lorient and 52° at Biarritz.

WEATHER AND SEA

The weather is variable, cloudless in places, overcast and gloomy in others, with showers at Blackwood Point and Jersey and rain at Roche's Point and Shields. At Brussels, Frankfort and Perpignan the sky is clear, at nearly all the other foreign stations it is overcast and dull, with rain at Nice. The sea is rough at Lumburgh Head, rather rough at Pembroke, Yarmouth and on the Bay of Biscay, moderate to smooth elsewhere.

Temperature rose yesterday to 50° or 51° at most of the Irish stations, but only to 42° at Birmingham, Nottingham, Lowestoft and Yarmouth, and 40° at Darwen and Nairn. A night minimum of 31° was registered at Nairn, the values at other stations being above the normal. Valencia had 3·3 hours of bright sunshine, Scarborough 1·9 hr., and Worthing 0·1 hr., all other places had none.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The general disposition of pressure has undergone little modification, but the more decided fall of the barometer between the Bay of Biscay and Germany tends to give the wind a more Easterly direction and a brisker movement over the British Isles. A continuation of the same variable weather is anticipated, with lower temperatures, and possibly cold rain or snow showers locally.

FORECASTS*

For the 24 hours ending at NOON on 17th DECEMBER, 1903

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	Moderate or Light S.E.ly. to E.ly. breezes; dull to fair, local showers.
1 SCOTLAND EAST	
2 ENGLAND N.E.	
3 ENGLAND EAST	Moderate to strong E.ly. winds; generally fair to dull, local cold showers.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	Same as Nos. 0 to 2.
7 ENGLAND N.W.	
8 ENGLAND S.W	Same as Nos. 3 to 5.
9 IRELAND NORTH	Same as Nos. 0 to 2.
10 IRELAND SOUTH	Moderate E.ly. breezes; dull, some showers.
WARNINGS	The South Cone is still flying in Districts 8 and 10.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph; see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.					This Morning 8 a.m.									Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind Direc^n	Wind Force	Weather.	Barometer. Ins.	Barometer. Change	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direc^n	Wind Force	Weather.	Sea.	Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	bc	*	42	39	o	0·0	–
Bath	29·64	44	SE	3	bc	29·59	–·07	40	38	– 5	E	2	c	*	47	38	–	0·0	–

REPORTS FOR YESTERDAY.

STATIONS.	Temperture F. Max.	Temperture F. Min.	Weather.	Sunshine Hrs.	Rainfall. Ins.	STATIONS	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine Hrs.	Rainfall. Ins.
Southport, to 9 p.m.... ...	43	39	o	0·0	–	Broadstairs...	*	*	*		*
Rhyl, to 6 p.m.	*	*	*	0·0	*	Margate	43	40	c	0·0	–
Llandudno...	*	*	*	0·0	*	Lowestoft, to 6 p.m.... ...	42	38	c, om, o	0·0	0·01
Bettws-y-Coed, to 6 p.m. ...	47	38	o, or	0·0	*	Skegness	*	*	*	0·0	*
Aberystwyth, to 6 p.m. ...	48	44	o, r	0·0	0·04	Scarborough, to 6 p.m. ...	46	*	*	1·9	*
Plymouth, to 9 p.m.... ...	49	46	op	0·0	0·40	Harrogate, to 6 p.m. ...	44	33	bm	0·0	–
Worthing	*	*	*	0·1	*	Manchester, to 9 p.m. ...	43	39	o, bc, o	0·0	–
Brighton	45	*	*	0·0	*	Darwen, to 9 p.m.	40	36	c, op, om	0·0	0·02
Eastbourne, to 6 p.m. ...	46	*	*	0·0	*	Birmingham, to 9 p.m. ...	42	38	o	0·0	–
Hastings	*	*	*	0·0	*						

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 15th Decr, 1903.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	STATIONS.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.
Copenhagen	36	32	o, o	–	Algiers	61	50	o, b	0·32
Utrecht... ... ...Not recd.					Tunis	59	37	bc, c	0·08
Groningen	36	32	m, o	–,	Madeira (Funchal) Not recd.				
Vienna	36	36	o, o	?	14th December.	1 p.m.	*	1 p.m.	Measured 7 a.m.
Marseilles	50	34	b, o	–	Geneva	41	*	f	0·28
Florence	51	36	b, f	–	Berne	36	*	o	0·04
Rome	55	42	o, b	0·04	Coire	39	*	b	–
Naples	55	45	o, c	1·14	Castasegna	34	*	s	–
Palermo	55	45	c, b	0·24	Lugano	39	*	c	0·39
Malta	64	51	?, bc	0·16	Davos	32	*	b	0·04

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.‡ (W.E.T.)	6 p.m.
Holland	8 a.m. („ „)	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores { Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

16th Decr, 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	8.1	11.49	3.36
Greenwich	8.2	11.56	3.49
Wick	9.0	12.8	3.15
Valencia	8.46	12.37	4.27

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
„ Weekly „ „ „ £1 10 0 „ Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Friday, 18th December, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins.	Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Wet Bulb. °	Change since Yesterday. °	Wind. Direc.	Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	30.23	11	N	2	0	30.20	+.23	15	14	-12	SSE	2	0	*	30	?9	-	*	-
	Hernösand ...	30.24	24	✕	0	b	30.24	+.18	29	28	-2	✕	0	s	*	34	21	-	*	0.04
	Stockholm ...	30.29	30	✕	0	0	30.31	+.10	30	30	+1	✕	0	0	*	30	28	-	*	-
	Wisby	30.26	30	✕	0	0	30.28	+.07	33	30	+5	✕	0	0	*	34	27	-	*	-
	Karlstad	30.29	29	N	2	0	30.28	+.07	30	28	+2	E	2	0	*	*	*	-	*	-
	Færder (X'iania Fjord)																		*	
	Bodö	30.08	32	E	2	c	30.02	+.01	33	32	-3	E	2	s	2	36	30	-	*	-
	Christiansund ...	30.09	36	ESE	2	c	30.06	.00	31	30	-5	ESE	1	b	3	36	30	-	*	-
	Skudesnaes ...	30.09	39	SE	4	0	30.11	+.03	37	35	+1	SE	6	0	4	39	36	0	*	*
BRITISH ISLANDS.	Sumburgh Head	29.73	43	SE	6	r	29.85	+.09	39	37	-2	✕	0	bc	5	43	38	r	*	0.17
	Stornoway ...	29.61	38	SW	2	0	29.89	+.33	35	34	-8	WNW	2	b	2	44	32	r,0	0.0	0.28
	Malin Head ...	29.70	41	SSE	4	cg	29.79	+.24	44	42	+3	SE	6	om	4	45	37	b,cg	*	-
	Blacksod Pt. ...	29.71	44	SW	3	0	29.66	+.03	42	40	-2	E	5	c	4	46	40	rm,0	*	0.15
	Valencia	29.69	42	E	3	0	29.41	-.31	48	44	+10	E	5	ogp	4	49	37	om,0	0.0	0.02
	Roche's Point ...	29.74	43	E	1	0	29.49	-.23	49	47	+6	SE	5	og	4	49	39	m,0	*	0.16
	Parsonstown ...	29.78	37	NE	1	c	29.63	-.08	44	43	+8	E	8	og	*	45	34	c	1.2	-
	Donaghadee ...	29.81	37	WSW	1	b	29.81	+.18	43	42	+1	SSE	4	c	3	44	33	-	*	0.01
	Liverpool Obsy.	29.84	39	SSE	1	0	29.81	+.07	39	37	+2	ESE	2	0	?	41	32	r,orm	*	0.03
	Holyhead ...	29.80	41	S	1	bp	29.72	+.04	43	41	0	E	5	cm	4	44	38	c,b,p	*	0.07
	Pembroke (St. Ann's)	29.78	43	E	2	m	29.60	-.12	46	45	+4	ESE	7	cgu	5	46	41	m	0.0	-
	Scilly (St. Mary's)...																			
	Jersey (St. Aubins)...	29.79	46	SE	3	of	29.67	-.08	46	45	0	ESE	5	0	4	46	43	f,0,f	0.8	0.01
	Portland Bill ...	29.79	46	SSE	3	bc	29.67	-.05	47	46	+1	SE	5	c	3	48	45	bc	*	0.01
	Dungeness ...	29.85	45	SSW	3	c	29.83	+.05	43	42	-3	SE	4	m	2	47	40	c,f	0.6	-
	Wick	29.71	42	S	4	r	29.87	+.22	31	30	-12	W	1	b	2	44	29	-	*	0.05
	Nairn	29.68	36	W	2	b	29.92	+.28	27	27	-7	SW	1	bc	1	40	27	-	*	-
	Aberdeen ...	29.75	39	SSW	3	opm	29.95	+.22	30	29	-12	WNW	2	bm	3	43	29	opm	0.0	0.09
	Leith	29.76	40	SW	1	bc	29.92	+.24	34	34	-6	NE	1	of	*	42	30	bcp	*	0.02
	North Shields ...	29.76	40	S	1	0	29.92	+.18	35	34	-6	SSW	1	f	2	42	33	f,orm	*	-
GERMANY, &c.	Spurn Head ...	29.80	41	SSW	3	m	29.87	+.13	43	42	+2	ESE	3	c	3	44	38	m,f	*	-
	Yarmouth ...	29.83	43	SW	1	bcm	29.88	+.13	44	42	+1	E	4	omg	3	44	39	c,bcm	*	-
	Nottingham ...	29.83	39	✕	0	f	29.85	+.11	40	40	+3	E	2	of	*	40	36	r,f	0.0	0.05
	Oxford	29.87	42	ESE	1	0	29.81	+.04	41	40	+3	E	3	og	*	43	38	of	*	-
	London (Brixton)...	29.82	45	✕	0	f	29.82	+.07	41	41	+1	E	1	gm	*	46	39	f,c	0.0	-
	The Scaw (Skagen)	30.21	36	SSE	3	0	30.20	+.03	36	34	+2	SSE	3	0	1	37	32	-	*	-
	Fanö	30.09	35	ESE	2	0	30.11	+.08	35	34	0	ESE	1	0	*	37	34	-	*	-
	Cuxhaven ...	30.03	35	E	2	0	30.07	+.09	34	33	-1	E	2	0	*	36	34	-	*	-
	The Helder ...	29.90	35	SSE	1	m	29.94	+.11	38	37	0	ESE	1	c	0	39	35	-	*	-
	Brussels	*	*	*	*	*	29.95	+.11	39	?36	+1	SE	1	c	*	45	34	-	*	-
	Berlin	30.10	35	SE	2	0	30.12	+.08	34	33	+1	SE	2	0	*	36	30	-	*	-
	Frankfürt ...	30.05	35	SE	2	0	30.05	+.10	33	33	-3	SE	2	0	*	43	32	-	*	-
	Munich	30.00	27	SE	3	0	29.99	+.06	27	27	0	SE	5	0	*	28	27	-	*	-
FRANCE.	C. Gris Nez ...	29.88	41	SE	1	f	29.80	+.03	36	36	-5	E	1	m	1	45	36	-	*	-
	Brest	29.77	48	✕	0	c	29.49	-.22	49	48	+1	SE	5	r	4	52	46	-	*	0.20
	Lorient	29.80	47	✕	0	m	29.56	-.15	50	50	+1	SE	4	r	4	54	43	-	*	0.08
	Rochefort ...	29.82	49	SE	1	bc	29.71	-.03	43	42	0	SE	4	m	*	52	41	b,bc	*	-
	Biarritz	29.89	54	WNW	4	bc	29.72	-.07	50	45	+3	S	3	c	2	?	?	-	*	0.08
SPAN. PEN.	Paris	29.90	35	✕	0	f	29.86	+.04	34	34	+3	E	1	f	*	37	32	-	*	-
	Belfort	29.95	30	ENE	4	f	29.94	+.08	27	27	-5	ENE	6	f	*	39	27	-	*	-
	Lyons	29.97	41	N	1	b	29.92	+.06	36	36	-3	NE	1	f	*	49	36	-	*	-
	Nice	29.79	51	E	3	c	29.84	+.04	46	41	-1	ESE	1	bc	3	54	46	-	*	-
	Perpignan ...	29.87	49	NW	1	0	29.84	+.11	45	45	-4	✕	0	0	*	52	44	-	*	0.04
	Corunna																		*	
	Lisbon														*				*	
	Azores (P. Delgada)	30.21	61	✕	0	b	30.24	+.12	60	57	-3	SSE	4	c	3	66	57	-	*	0.20
	" (Horta) ...	30.22	59	✕	0	0	30.22	+.18	61	59	-3	S	4	0	2	64	57	-	*	-

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster; the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

† *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR FRIDAY, 18TH DECEMBER, 1903.

I. BAROMETER, WIND AND SEA. *This Morning.*

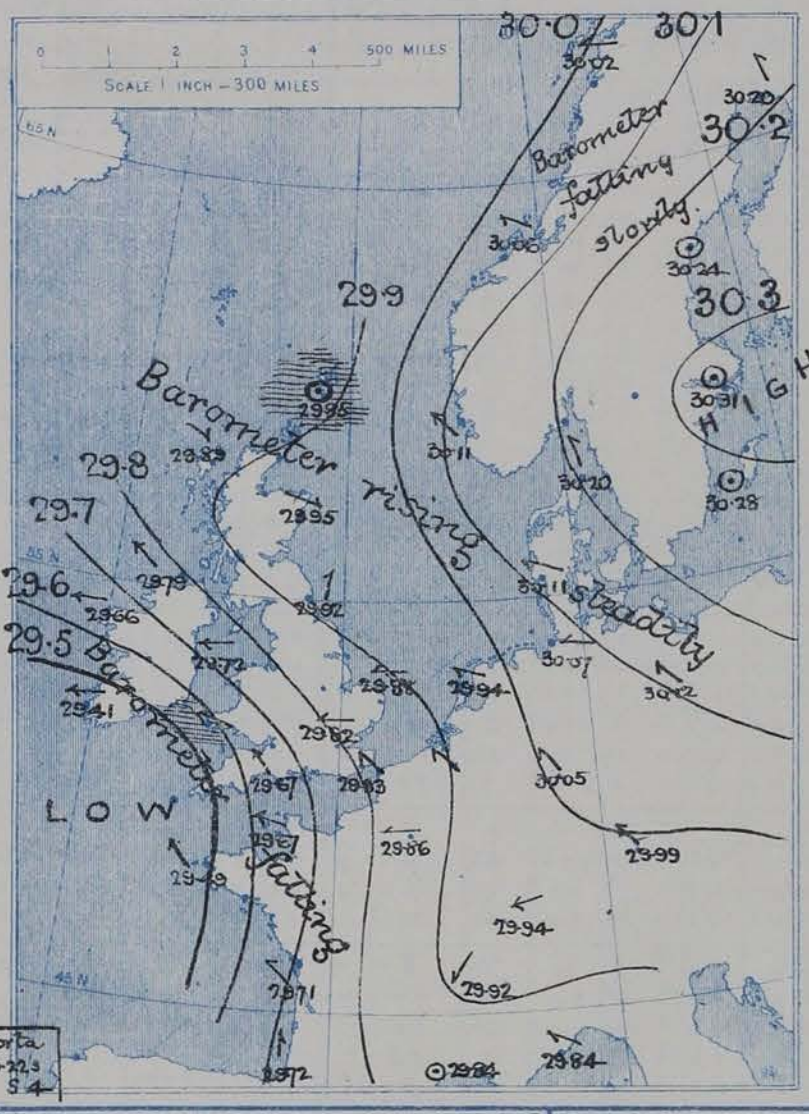
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough *High*

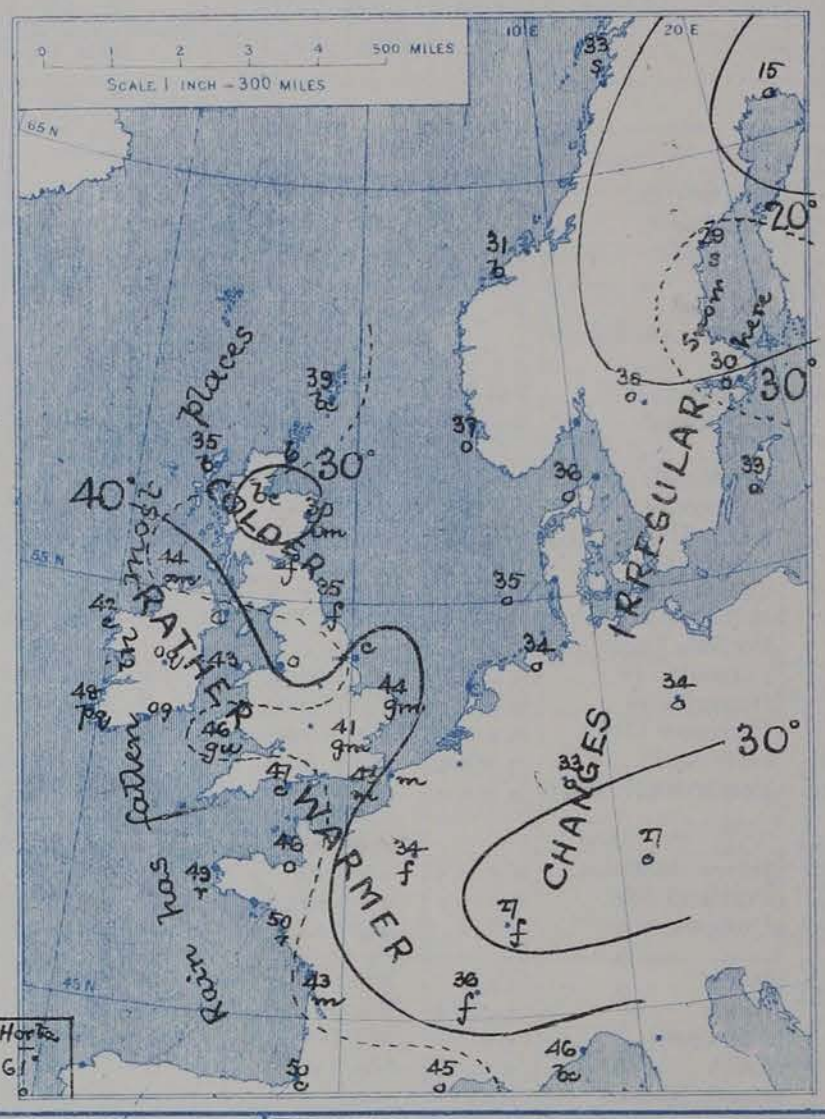


II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°

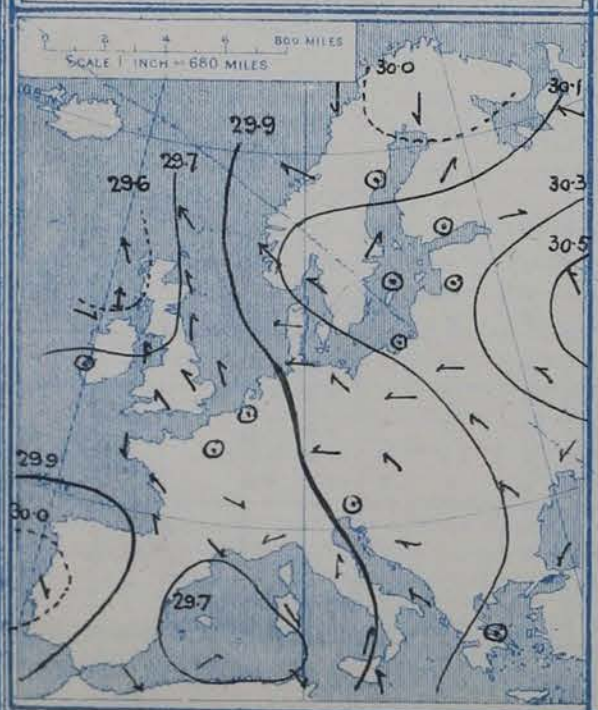
WEATHER.—Shown by Letters of the Beaufort Scale. *(See P. 4.)*

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus - 0·6

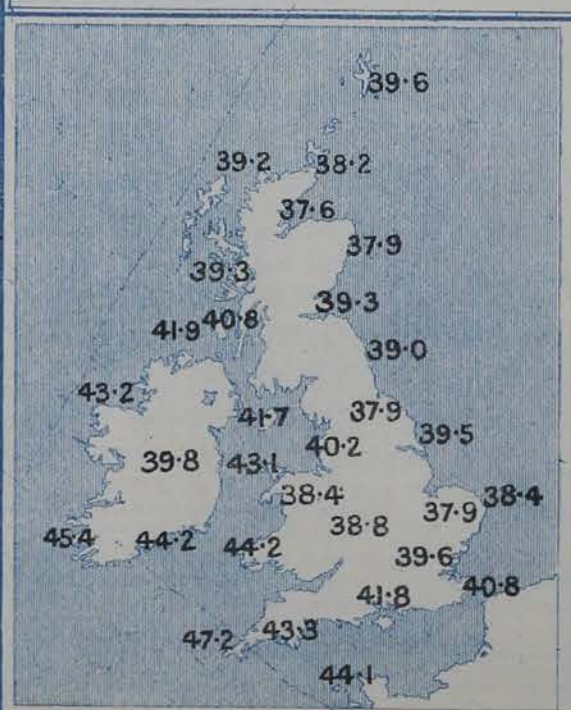


III. BAROMETER AND WIND

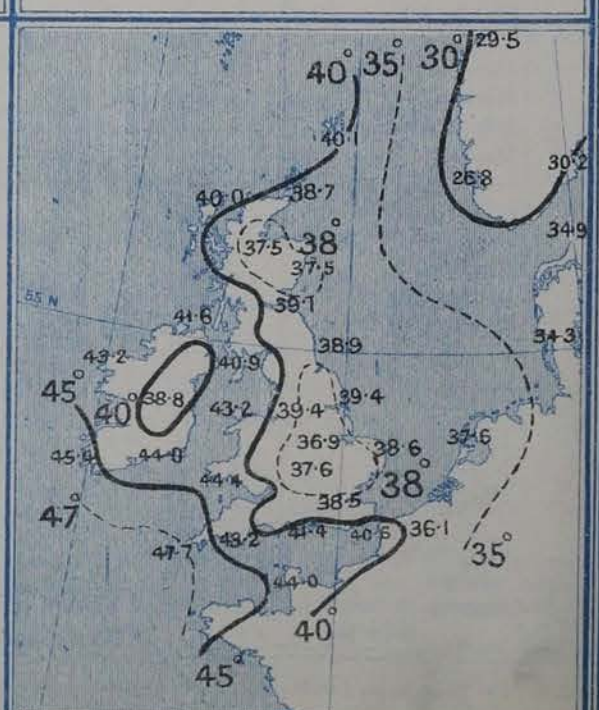
Yesterday morning.



IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMPERATURES *combined for the month of* DECEMBER. *(1871-1900.)*



V. *Means of* DAILY TEMPERATURE *at 8 A.M. for the monthly period* DECEMBER. *(1871-1900.)*



GENERAL SITUATION AT 8 A.M.

PRESSURE

A disturbance has appeared outside our northwestern coasts and it is occasioning a slight fall of the barometer over Scotland. Over the remainder of the area under observation the mercury is now rising, the anticyclone over Scandinavia is increasing in intensity, and the depression which has for some days been situated on the Bay of Biscay appears to have dispersed. The barometric values range from below 29·6 ins. on our northwestern coasts to above 30·2 ins. in the South of Sweden, but between central Ireland and the southeast of France the readings are very uniform round 29·8 ins.

WIND

A fresh Sly. to S.Ely. wind is reported on our northern coasts from Donegal round to the Shetlands, and at Blackwd Point there is a moderate WNW. breeze, but over the rest of the Kingdom calms and light Sly. to Ely. airs prevail. Over France the direction has become much more variable, a light Nly. current setting in on the Brittany coast, but the S.Ely. to Ely. breeze still holds in other continental countries, strong at Skudesnaes, weak elsewhere.

TEMPERATURE

Temperature has changed irregularly in all countries, the present readings ranging from 34° at Nairn and 36° at Parsonstown to 44° at Blackwd Point and 46° along the English Channel; from 27° at Haparanda and Munich and 28° at Karlstad and Mieby to 48° at Brest and 49° at Lorient and Perpignan.

WEATHER AND SEA

The weather is cloudless over a considerable portion of Ireland, fair in various other localities, but generally it is dull and overcast, with mist or gloom in many districts, fog on the northeast coast of England, and rain from Liverpool across to Malin Head. Nearly all the foreign stations report dullness, with fog along the valley of the Seine. The sea is rough at Lumburgh Head, rather rough at Stornoway, moderate to smooth elsewhere.

During yesterday temperature rose to 50° at Valencia, and to 46° at the south coast stations, the maximum of 47° at Blackwd Point occurring in the night. Some stations did not pass 40° and Darwen only touched 38°. As a rule there was little or no sunshine, but Margate had 4·3 hours and Broadstairs 4·8 hours.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

On account of the increase of pressure over nearly the whole of the area under observation, the depression off our northwest coasts will probably pass away northward without materially affecting, except locally in the north, the general conditions over the country, which tend towards light variable breezes and misty weather.

FORECASTS*

For the 24 hours ending at NOON on 18th DECEMBER, 1903

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	Strong Sly. winds, moderating later; dull to fair, some rain.
1 SCOTLAND EAST	Light S.Ely. to Sly. breezes; dull to misty or foggy.
2 ENGLAND N.E.	
3 ENGLAND EAST	Calms and light variable breezes; dull generally, some mist or fog.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	Same as No. 0.
7 ENGLAND N.W.	Same as Nos. 3 to 5.
8 ENGLAND S.W	
9 IRELAND NORTH	NWly. moderate, to light variable breezes; dull to fair, some rain.
10 IRELAND SOUTH	Same as Nos. 3 to 5.
WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone

The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone

* *For terms for transmission of Forecasts by Telegraph; see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.					This Morning 8 a.m.									Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind Direc.	Wind Force	Weather.	Barometer. Ins.	Barometer. Change	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direc.	Wind Force	Weather.	Sea.	Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	09	*	43	40	bc, b	3·6	–
Bath	29·62	40	E	2	0	29·74	+·15	41	41	+ 1	E	0	bc	*	42	40	–	0·0	–

REPORTS FOR YESTERDAY.

STATIONS.	Temperture F. Max.	Temperture F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.
Southport, to 9 p.m.... ...	41	32	c, bm, cm, c	0·0	–	Broadstairs...	*	*	*	4·8	*
Rhyl, to 6 p.m.	*	*	*	1·0	*	Margate	44	38	b, c	4·3	–
Llandudno...	*	*	*	1·4	*	Lowestoft, to 6 p.m.... ...	42	39	bc, o, c	0·0	–
Bettws-y-Coed, to 6 p.m. ...	44	38	o	0·0	*	Skegness	*	*	*	0·9	*
Aberystwyth, to 6 p.m. ...	44	39	c	2·0	0·02	Scarborough, to 6 p.m. ...	43	*	*	0·0	*
Plymouth, to 9 p.m.... ...	48	43	ou, op	0·0	0·11	Harrogate, to 6 p.m. ...	40	34	om, c	0·0	0·03
Worthing	*	*	*	0·0	*	Manchester, to 9 p.m. ...	45	36	b	3·0	–
Brighton	43	*	*	0·2	*	Darwen, to 9 p.m.	38	33	om, c, bv	0·0	–
Eastbourne, to 6 p.m. ...	45	*	*	0·0	*	Birmingham, to 9 p.m. ...	40	37	o	0·0	–
Hastings	*	*	*	0·2	*						

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 16th Decr, 1903.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	STATIONS.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.
Copenhagen ... Not recd.					Algiers	66	55	c, o	–
Utrecht...	39	37	o, m	–	Tunis	59	41	bc, o	–
Groningen	36	34	o, m	–	Madeira (Funchal) Not recd.				
Vienna	37	34	r, o	0·12	15th December,	1 p.m.	*	1 p.m.	Measured 7 a.m.
Marseilles	50	46	o, r	0·39	Geneva	39	*	b	0·16
Florence	42	41	f, o	–	Berne	37	*	bc	0·04
Rome	54	41	bc, o	–	Coire	34	*	b	–
Naples	64	46	b, bc	–	Castasegna	36	*	bc	0·35
Palermo	62	39	b, bc	–	Lugano	43	*	bc	0·24
Malta	60	51	?, bc	–	Davos	21	*	b	–

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.‡ (W.E.T.)	6 p.m.
Holland	8 a.m. („ „)	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores { Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

17th Decr, 1903.	Sunrise G.M.T.	Noon G.M.T	Sunset G.M.T.
Yarmouth	8.2	11.49	3.36
Greenwich	8.3	11.56	3.49
Wick	9.1	12.8	3.15
Valencia	8.47	12.37	4.27

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
„ Weekly „ „ „ £1 10 0 „ Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 19th December, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, *Victoria Street, London.* W. N. SHAW. *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins.	Barometer. Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Temperature. Change since Yesterday. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Temp. Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.96	21	SE	2	0	30.03	-.17	8	7	-7	N	2	b	*	28	7	-	*	0.08
	Hernösand ...	†30.10	24	x	0	b	29.99	-.25	21	21	-8	x	0	0	*	30	21	-	*	-
	Stockholm ...	30.27	31	E	2	0	30.11	-.20	30	28	0	WSW	2	0	*	34	28	-	*	-
	Wisby	30.23	35	x	0	0	30.18	-.10	34	32	+1	NNW	2	b	*	36	28	-	*	-
	Karlstad	30.23	30	SE	2	0	30.17	-.11	31	30	+1	SW	2	0	*	*	*	-	*	-
	Færder (X'iania Fjord)																		*	
	Bodö	30.01	28	NE	2	b	30.02	.00	26	23	-7	NE	2	b	1	34	23	-	*	-
	Christiansund ...	30.06	36	WSW	2	0	29.95	-.11	39	36	+8	WSW	3	c	3	39	30	-	*	-
	Skudesnaes ...	30.16	40	SSE	4	0	30.17	+.06	39	37	+2	SSE	2	0	3	41	36	0	*	*
BRITISH ISLANDS.	Sumburgh Head	29.98	41	W	1	b	30.03	+.18	37	35	-2	x	0	0	4	43	36	bc, b	*	0.05
	Stornoway ...	30.00	36	x	0	c	29.96	+.07	32	32	-3	WNW	1	b	1	39	30	c	0.8	-
	Malin Head ...	29.86	43	E	6	ogm	29.84	+.05	44	43	0	ESE	5	rm	4	45	43	c, ogm	*	0.01
	Blacksod Pt. ...	29.77	45	E	5	om	29.79	+.13	44	43	+2	E	3	om	3	45	41	om	*	0.02
	Valencia	29.55	47	NE	5	op	29.76	+.35	45	44	-3	x	0	0	3	50	44	og, op	0.0	0.03
	Roche's Point ...	29.57	48	ESE	5	r	29.78	+.29	43	43	-6	N	1	f	1	49	41	r, f	*	0.41
	Parsonstown ...	29.71	45	E	3	0	29.79	+.16	45	44	+1	E	2	0	*	46	41	og, op	0.0	0.06
	Donaghadee ...	29.87	44	E	5	og	29.89	+.08	45	44	+2	SSE	5	rq	5	46	42	og	*	0.07
	Liverpool Obsy.	29.84	40	ESE	4	0	29.93	+.12	40	39	+1	E	3	0	3	44	38	f, or	*	0.08
	Holyhead ...	29.76	43	E	7	oggm	29.86	+.14	44	43	+1	S	1	dm	1	44	41	c, oggm	*	0.03
	Pembroke (St. Ann's)	29.61	45	ESE	7	r	29.81	+.21	45	44	-1	ESE	4	dgm	5	46	43	ou, r	0.0	0.13
	Scilly (St. Mary's)...																			
	Jersey (St. Aubins)...	29.65	46	ESE	5	og	29.83	+.16	44	43	-2	ENE	3	c	3	47	43	om, ogp	0.0	0.01
	Portland Bill ...	29.67	46	ESE	6	c	29.82	+.15	46	45	-1	E	4	0	4	48	45	c	*	0.01
	Dungeness ...	29.81	44	E	4	m	29.90	+.07	41	40	-2	E	3	m	1	45	40	m	0.0	-
	Wick	29.99	39	W	1	b	29.97	+.10	39	38	+8	S	1	bc	1	42	25	-	*	-
	Nairn	30.02	27	x	0	b	30.00	+.08	28	27	+1	x	0	f	1	32	22	-	*	-
	Aberdeen ...	30.05	32	WNW	3	b	30.04	+.09	33	33	+3	WNW	1	c	2	34	29	c, b, p	0.0	0.02
	Leith	29.99	40	NE	2	bc	29.98	+.06	43	41	+9	E	2	0	*	43	32	f, bc, p	*	0.01
	North Shields ...	29.92	44	ESE	2	0	30.00	+.08	44	41	+9	ESE	3	c	3	45	34	f, c	*	-
	Spurn Head ...	29.87	43	ESE	4	c	29.96	+.09	42	40	-1	ESE	4	bc	3	44	40	-	*	-
	Yarmouth ...	29.86	44	E	5	0	29.95	+.07	40	39	-4	E	5	cg	5	44	39	c, o	*	-
	Nottingham ...	29.84	42	E	2	0	29.95	+.10	39	39	-1	E	2	0	*	43	39	0	0.0	0.03
	Oxford	29.83	43	E	2	0	29.92	+.11	42	41	+1	E	2	0	*	44	41	o, r	*	-
	London (Brixton)...	29.79	43	E	3	ogd	29.89	+.07	41	40	0	E	4	0	*	45	39	ogm, p, o	0.0	0.02
GERMANY, &c.	The Scaw (Skagen)	30.22	37	SSE	2	0	30.20	.00	36	36	0	SE	1	0	0	37	36	-	*	-
	Fanö	30.13	34	E	2	r	30.11	.00	34	33	-1	E	2	r	*	37	34	-	*	-
	Cuxhaven ...	30.08	33	ESE	3	0	30.06	-.01	34	33	0	E	3	0	*	36	33	-	*	-
	The Helder ...	29.96	34	E	3	0	29.98	+.04	33	32	-5	ENE	2	0	2	37	32	-	*	-
	Brussels	*	*	*	*	*	29.96	+.01	30	30	-9	ESE	2	f	*	45	29	-	*	-
	Berlin	30.10	35	ESE	2	0	30.04	-.08	33	33	-1	x	0	0	*	36	32	-	*	-
	Frankfürt ...	29.99	34	E	3	b	30.00	-.05	34	34	+1	SE	3	0	*	36	33	-	*	-
	Munich	29.94	28	E	3	f	29.94	-.05	27	27	0	E	3	f	*	28	27	-	*	-
FRANCE.	C. Gris Nez ...	29.78	42	E	4	0	29.87	+.07	35	34	-1	ENE	4	m	3	43	34	-	*	-
	Brest	29.55	50	NNE	1	c	29.76	+.27	47	47	-2	E	1	0	4	52	46	-	*	0.12
	Lorient	29.58	49	S	1	0	29.77	+.21	48	46	-2	ESE	3	m	5	52	45	-	*	0.63
	Rochefort ...	29.66	47	SSE	3	0	29.77	+.06	45	43	+2	SE	3	c	*	50	41	0	*	0.04
	Biarritz	29.68	52	S	3	0	29.80	+.08	50	49	0	W	4	0	2	52	46	-	*	0.12
	Paris	29.80	39	ESE	2	0	29.89	+.03	29	29	-5	E	1	b	*	46	29	-	*	-
	Belfort	29.91	28	ENE	6	f	29.93	-.01	26	26	-1	ENE	4	f	*	31	26	-	*	-
	Lyons	29.90	37	N	1	f	29.95	+.03	34	34	-2	E	1	f	*	44	33	-	*	-
	Nice	29.78	51	ENE	1	0	29.78	-.06	46	46	0	E	4	r	4	55	46	-	*	0.12
	Perpignan ...	29.73	52	SE	2	0	29.74	-.10	48	48	+3	N	2	r	*	55	45	-	*	0.87
SPAN. PEN.	Corunna																		*	
	Lisbon	29.91	50	NNW	5	0	29.94	+.06	53	50	-1	N	4	bc	*	59	48	-	*	0.20
	Azores (P. Delgada)	30.24	63	W	5	c	30.23	-.01	62	60	+2	WNW	4	c	3	64	60	-	*	-
	,, (Horta) ...	30.24	64	x	0	0	30.21	-.01	63	62	+2	SW	4	m	2	64	61	-	*	-

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

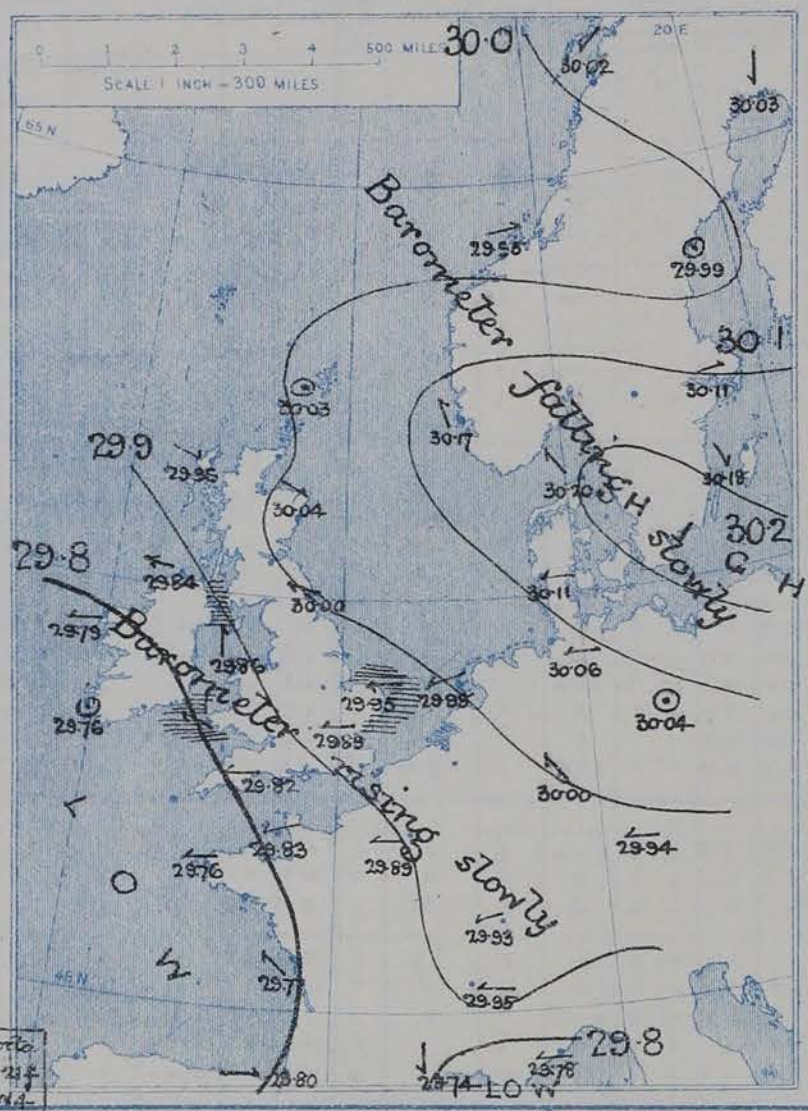
† *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR SATURDAY, 19TH DECEMBER, *1903.*

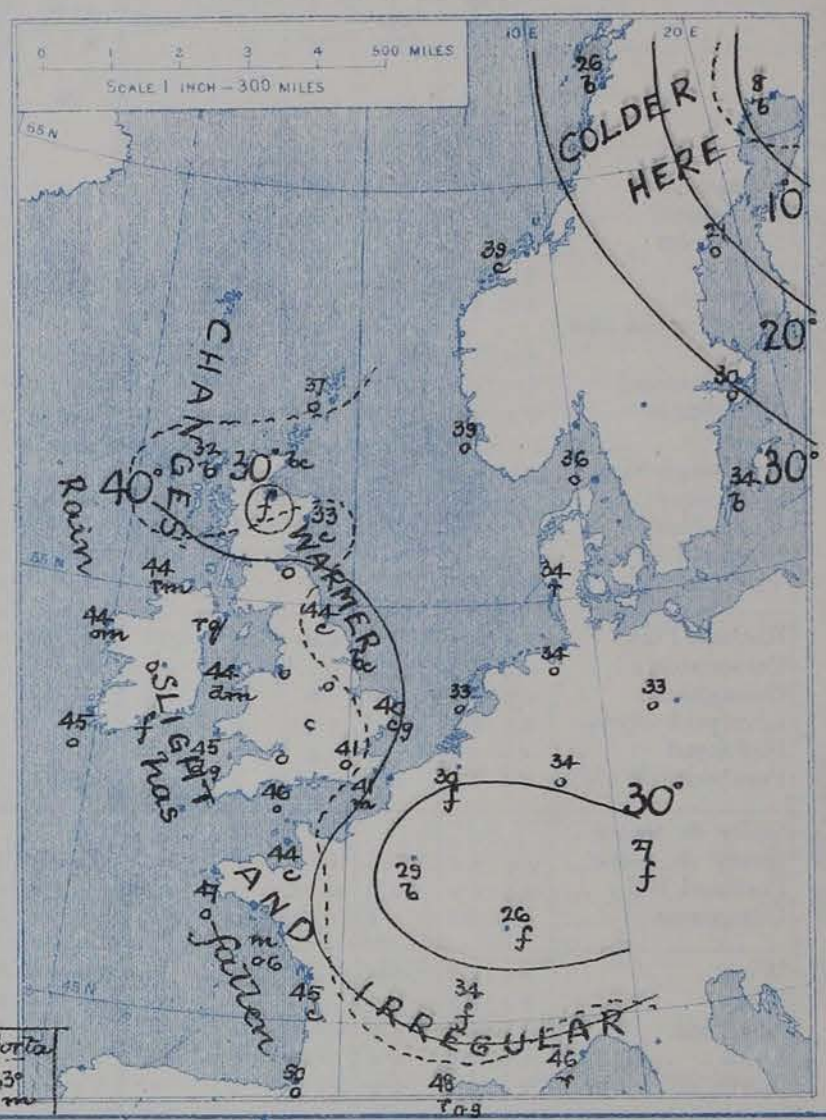
I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.
Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙
Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ :
SEA.—Rough *High*



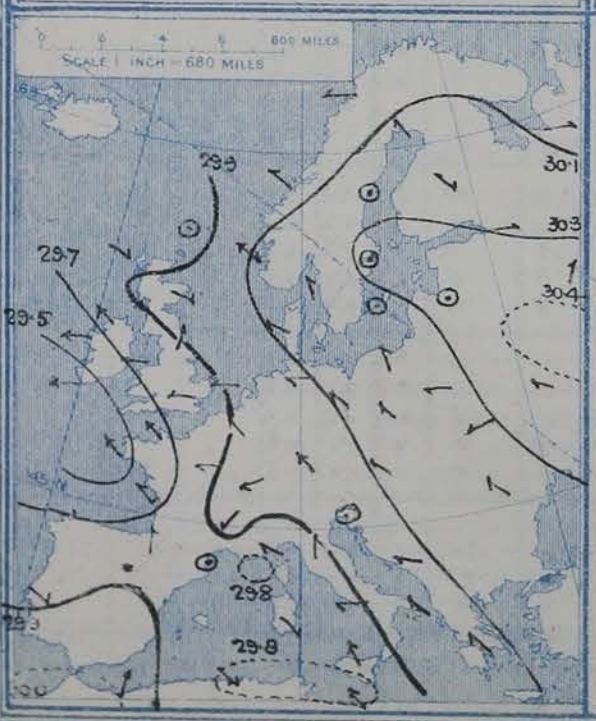
II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale. *(See P. 4.)*
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus – 0·6

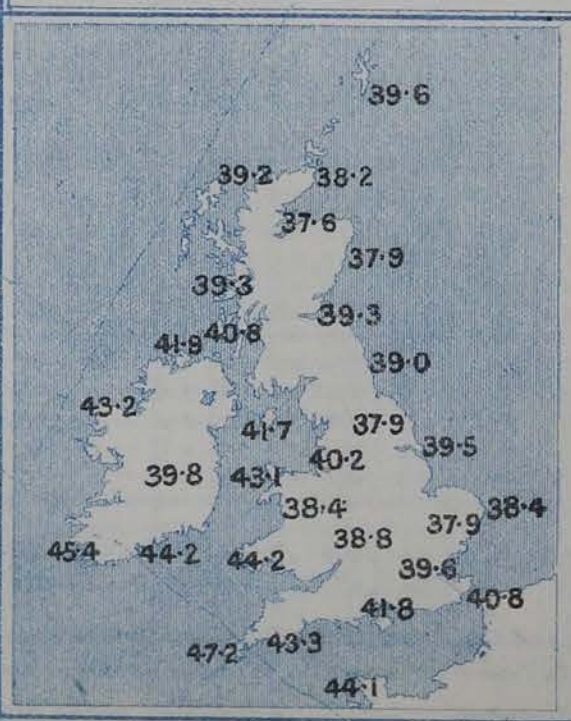


III. BAROMETER AND WIND

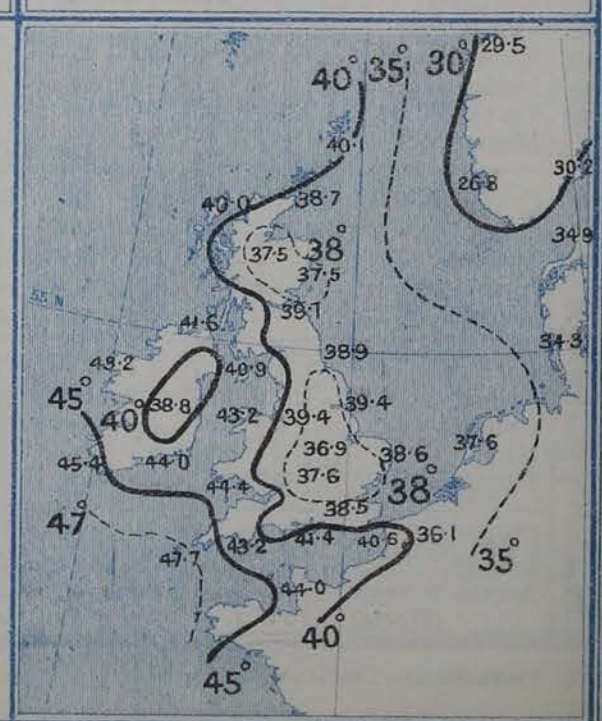
Yesterday morning.



IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMPERATURES *combined for the month of* DECECMBER. *(1871-1900.)*



V. *Means of* DAILY TEMPERATURE *at 8 A.M. for the monthly period* DECEMBER. *(1871-1900)*



GENERAL SITUATION AT 8 A.M.

PRESSURE

The anticyclone over Scandinavia has further increased in intensity, the barometer having risen above 30·3 ins. at Stockholm. Yesterday morning's disturbance off our northwestern coasts is disappearing beyond the north of Scotland, but during the past night a new depression has approached our southwestern coasts and the Bay of Biscay, where the barometer has given way at a brisk rate, and is now below 29·5 ins. at the more distant stations. A fairly steep gradient is shown over the southwestern districts.

WIND

A faint Wly. air prevails over the north of Scotland, but over England and Ireland the direction is S.Ely. or Ely., light to moderate in force over the northern and eastern districts of England, increasing decidedly elsewhere, a fresh or strong breeze generally, a moderate gale on the coast of Pembroke and a fresh gale in central Ireland. S.Ely. to Ely. winds are reported at most of the Continental stations, moderate to strong at some of the western ones.

TEMPERATURE

Temperature has fallen considerably in some localities, risen in others. The present values range from 27° at Nairn and 30° at Aberdeen to 48° at Valencia and 49° at Roches Point; from 15° at Haparanda and 27° at Belfort and Munich to 49° at Brest and 50° at Lorient and Biarritz.

WEATHER AND SEA

The weather is fine in the north of Scotland, dull in all other districts, with gloom, mist or fog at many stations, and showers at Valencia. Dulness prevails at the foreign stations, fog over the north and east of France, rain in Brittany, and snow in northern Scandinavia. The sea is rather rough off Pembroke and Lumburgh Head, moderate to smooth on all other coasts.

During yesterday temperature reached 49° at Brighton, Plymouth and Valencia, but only 39° at Harrogate and 38° at Darrowen. Bright sunshine records were very small, in most instances none at all. Parsonstown registered 1·2 hour.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The continued rise of the barometer over our northern districts and beyond the North Sea renders it probable that the disturbance in the southwest will make only slow progress on a general southeasterly or easterly course, with the Ely. winds blowing strongly on our southwestern and southern coasts, dull, unsettled weather and some cold rain. Temperature changing irregularly.

FORECASTS*

For the 24 hours ending at NOON on 19th DECEMBER, 1903

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	Light Wly., to freshening S.Ely., breezes; fair generally, local mist and showers.
2 ENGLAND N.E. 3 ENGLAND EAST 4 MIDLAND COUNTIES	Light or moderate S.Ely. to Ely. breezes; dull, some mist or fog, clearer later.
5 ENGLAND SOUTH	Freshening Ely. breezes; dull and misty, some rain later.
6 SCOTLAND WEST	Same as Nos. 0 and 1.
7 ENGLAND N.W.	Freshening S.Ely to Ely. breezes; dull, some showers.
8 ENGLAND S.W 9 IRELAND NORTH 10 IRELAND SOUTH	S.Ely. to Ely. winds, fresh or strong to a gale; squally, dull, some rain.
WARNINGS	At 9.20 am to Districts 7, 8, 9, 10 and part of 5. "Hoist South Cone".

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph; see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.					This Morning 8 a.m.									Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind Direc.	Wind Force	Weather.	Barometer. Ins.	Barometer. Change	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direc.	Wind Force	Weather.	Sea.	Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	0gm	*	45	38	0, b	0·2	–
Bath	29·81	42	SE	1	bc	29·74	·00	43	42	+ 2	SE	3	c	*	47	41	–	0·0	–

REPORTS FOR YESTERDAY.

STATIONS.	Temperture F. Max.	Temperture F. Min.	Weather.	Sunshine Hrs.	Rainfall. Ins.	STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine Hrs.	Rainfall. Ins.
Southport, to 9 p.m.... ...	42	32	o, op, of	0·0	0·02	Broadstairs...	*	*	*		*
Rhyl, to 6 p.m.	*	*	*	0·6	*	Margate	47	40	c, b	0·7	–
Llandudno...	*	*	*	0·8	*	Lowestoft, to 6 p.m.... ...	44	39	c, bcm, b	0·0	–
Bettws-y-Coed, to 6 p.m. ...	43	34	b, w	0·1	*	Skegness	*	*	*	0·0	*
Aberystwyth, to 6 p.m. ...	45	40	cu	0·0	–	Scarborough, to 6 p.m. ...	44	*	*	0·0	*
Plymouth, to 9 p.m.... ...	49	43	bc, op	0·0	0·24	Harrogate, to 6 p.m. ...	39	32	cm	0·0	–
Worthing	*	*	*	0·5	*	Manchester, to 9 p.m. ...	42	37	or, om	0·0	0·05
Brighton	49	*	*	0·8	*	Darwen, to 9 p.m.	38	33	omp, om	0·0	0·03
Eastbourne, to 6 p.m. ...	48	*	*	0·1	*	Birmingham, to 9 p.m. ...	41	36	o, r, o	0·0	0·13

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 17th Decr. 1903.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	STATIONS.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.
Copenhagen	36	34	o, o	–	Algiers	68	50	c, c	0·12
Utrecht...	41	32	b, m	–	Tunis	64	41	o, o	–
Groningen ... ...Not recd.					Madeira (Funchal) Not recd.				
Vienna	37	34	f, o	?	16th December.	1 p.m.	*	1 p.m	Measured 7 a.m.
Marseilles	52	48	o, o	0·51	Geneva	36	*	0	–
Florence	48	45	r, o	1·02	Berne	32	*	0	–
Rome	54	51	o, o	–	Coire	39	*	0	–
Naples	55	49	c, b	–	Castasegna	37	*	0	–
Palermo	67	47	bc, o	–	Lugano	41	*	0	–
Malta	64	53	?, c	–	Davos	27	*	0	–

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.‡ (W.E.T.)	6 p.m.
Holland	8 a.m. („ „)	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores { Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

18th Decr. 1903.	Sunrise G.M.T.	Noon G.M.T	Sunset G.M.T.
Yarmouth	8.3	11.50	3.37
Greenwich	8.4	11.57	3.50
Wick	9.2	12.9	3.16
Valencia	8.48	12.38	4.28

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
„ Weekly „ „ „ £1 10 0 „ Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Sunday, 20th DECEMBER, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. **W. N. SHAW,** *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M. S. L. Ins.	Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Wet Bulb. °	Change since Yesterday. °	Wind. Direc.	Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Min. °	Weather	Sunshine. Hours.	Rainfall Ins.
SCANDINAVIA.	Haparanda ...	30·14	9	Z	0	b	30·23	+·20	1	1	−7	Z	0	0	*	21	−4	—	*	—
	Hernösand ...	30·17	38	Z	0	bc	30·19	+·20	27	25	+6	SW	2	0	*	?	19	—	*	—
	Stockholm ...	30·21	30	Z	0	b	30·26	+·15	26	25	−4	Z	0	0	*	30	?	—	*	—
	Wisby	30·18	33	Z	0	f	30·23	+·05	30	28	−4	Z	0	b	*	39	30	—	*	—
	Karlstad	30·20	31	N	2	0	30·24	+·07	26	25	−5	WNW	2	0	*	*	*	—	*	—
	Færder (X'iania Fjord)																		*	
	Bodö	30·04	17	NE	2	b	30·11	+·09	15	14	−11	E	2	b	2	28	14	—	*	—
	Christiansund ...	30·04	37	SW	5	r	30·10	+·15	39	37	0	Z	0	c	2	39	36	—	*	0·04
	Skudesnaes ...	30·17	37	Z	0	b	30·16	−·01	38	35	−1	SE	4	0	3	39	36	bc, b	*	*
BRITISH ISLANDS.	Sumburgh Head	30·00	40	SSE	2	r	29·93	−·10	40	39	+3	SSE	4	r	5	40	36	0, r	*	0·07
	Stornoway ...	29·89	35	Z	0	b	29·83	−·13	44	43	+12	W	2	0	2	44	30	b	0·0	0·11
	Malin Head ...	29·81	44	S	4	mgp	29·93	+·09	40	39	−4	S	1	bm	2	44	39	mgp	*	0·05
	Blacksod Pt. ...	29·82	44	W	1	0	29·92	+·13	43	42	−1	SSE	3	bcm	3	45	39	om	*	0·02
	Valencia	29·87	46	NW	1	bcm	29·97	+·21	37	36	−8	ENE	1	om	3	50	36	rmg, bcm	0·0	0·17
	Roche's Point ...	29·87	45	Z	0	f	30·01	+·23	43	43	0	N	1	f	1	45	39	f	*	0·02
	Parsonstown ...	29·84	43	ESE	1	c	29·99	+·20	39	38	−6	SE	1	of	*	48	35	org	0·0	0·06
	Donaghadee ...	29·89	45	SSE	3	orm	29·99	+·10	40	40	−5	W	1	bc	1	45	40	—	*	0·45
	Liverpool Obsy.	29·93	40	SE	3	0	30·04	+·11	38	38	−2	SE	2	c	?	41	37	omp	*	0·02
	Holyhead ...	29·88	45	S	1	omg	29·99	+·13	45	44	+1	SE	1	om	1	45	42	omg	*	0·03
	Pembroke (St. Ann's)	29·87	45	SE	4	m	29·99	+·18	45	44	0	ESE	4	mg	4	46	44	m	0·0	0·06
	Scilly (St. Mary's)...																			
	Jersey (St. Aubins)...	29·88	46	ESE	3	cmg	30·00	+·17	46	45	+2	ESE	2	om	2	49	43	cf	1·5	* —
	Portland Bill ...	29·88	44	E	4	om	29·99	+·17	42	42	−4	ENE	4	f	3	47	41	om	*	—
	Dungeness ...	29·94	39	E	3	m	30·04	+·14	41	40	0	SE	1	m	1	41	35	m	0·0	—
	Wick	29·92	40	S	3	c	29·87	−·10	42	41	+3	SW	1	0	2	45	38	—	*	0·01
	Nairn	29·93	30	Z	0	f	29·91	−·09	37	36	+9	Z	0	0	1	37	27	—	*	0·11
	Aberdeen ...	29·99	41	S	2	omp	29·98	−·06	38	37	+5	SSW	3	om	2	42	33	c, or	0·0	0·10
	Leith	29·95	41	E	1	0	30·01	+·03	38	38	−5	Z	0	of	*	43	35	or	*	0·08
	North Shields ...	29·94	42	ESE	2	0	30·01	+·01	39	39	−5	S	3	om	2	44	37	or	*	0·01
GERMANY, &c.	Spurn Head ...	29·95	42	SE	3	c	30·04	+·08	40	39	−2	SSE	1	0	2	43	39	—	*	0·01
	Yarmouth ...	29·96	40	E	5	c	30·02	+·07	39	37	−1	SE	3	c	3	41	37	0, c	*	—
	Nottingham ...	29·96	39	E	1	0	30·04	+·09	38	37	−1	S	1	0	*	40	37	—	0·0	—
	Oxford	29·97	40	ENE	2	0	30·05	+·13	38	37	−4	SE	1	0	*	42	38	0, r	*	0·04
	London (Brixton)...	29·92	40	SSE	3	0	30·03	+·14	37	37	−4	E	1	om	*	43	36	0, dp	0·0	—
	The Scaw (Skagen)	30·20	30	Z	0	f	30·23	+·03	32	31	−4	Z	0	m	0	37	30	—	*	—
	Fanö	30·14	33	E	2	0	30·19	+·08	33	32	−1	E	1	0	*	36	33	—	*	—
	Cuxhaven ...	30·08	35	E	2	0	30·17	+·11	34	33	0	E	1	0	*	36	34	—	*	—
	The Helder ...	30·02	34	ESE	1	0	30·08	+·10	33	32	0	SE	1	0	0	34	32	—	*	—
	Brussels	*	*	*	*	*	30·10	+·14	29	29	−1	SE	1	f	*	31	28	—	*	—
	Berlin	30·05	33	Z	0	0	30·13	+·09	34	33	+1	W	1	0	*	36	32	—	*	—
	Frankfürt ...	30·06	34	E	2	0	30·20	+·20	32	32	−2	SE	1	0	*	36	30	—	*	—
	Munich	29·99	28	E	3	f	30·10	+·16	24	24	−3	E	2	f	*	28	23	—	*	—
FRANCE.	C. Gris Nez ...	29·93	34	ENE	2	m	30·00	+·13	34	34	−1	Z	0	m	1	36	32	—	*	—
	Brest	29·86	48	Z	0	0	29·94	+·18	46	46	−1	Z	0	c	4	50	46	—	*	0·12
	Lorient	29·86	46	ESE	3	m	29·95	+·18	43	42	−5	E	3	c	4	52	41	—	*	—
	Rochefort ...	29·84	49	E	2	bc	29·93	+·16	47	46	+2	Z	0	r	*	52	45	—	*	0·04
	Biarritz	29·86	50	WSW	2	0	29·99	+·19	50	48	0	SSW	1	bc	3	50	46	—	*	0·16
	Paris	29·97	32	E	1	0	30·04	+·15	34	34	+5	ESE	2	0	*	34	32	—	*	—
	Belfort	29·97	28	ENE	5	m	30·10	+·17	28	28	+2	ENE	2	f	*	36	26	—	*	—
	Lyons	29·99	35	E	1	f	30·13	+·18	32	32	−2	ESE	1	f	*	36	32	—	*	—
	Nice	29·89	48	E	1	0	30·00	+·22	47	42	+1	Z	0	b	3	57	43	—	*	0·24
	Perpignan ...	29·88	33	SW	1	0	30·00	+·26	45	45	−3	Z	0	0	*	48	33	—	*	1·34
SPAN. PEN.	Corunna	29·91	55	WNW	5	0	30·07	+·23	51	48	−1	NW	1	bc	3	57	46	—	*	—
	Lisbon	30·01	58	N	4	0	30·07	+·13	51	49	−2	NNW	3	b	*	55	48	—	*	—
	Azores (P. Delgada)	30·22	62	WNW	1	b	30·17	−·06	63	59	+1	SW	4	0	3	66	61	—	*	—
	„ (Horta) ...	30·17	64	SW	4	0	30·06	−·15	63	60	0	SSW	5	0	3	66	61	—	*	—

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

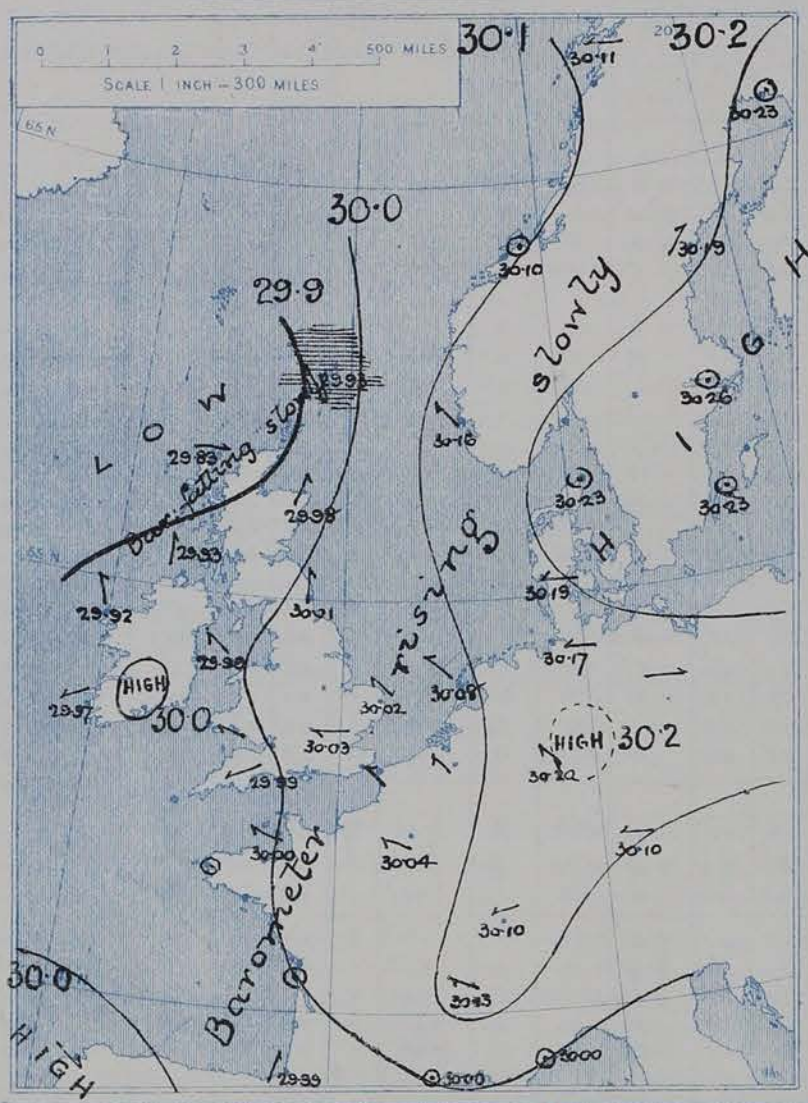
† *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR SUNDAY, 20TH DECEMBER, 1903.

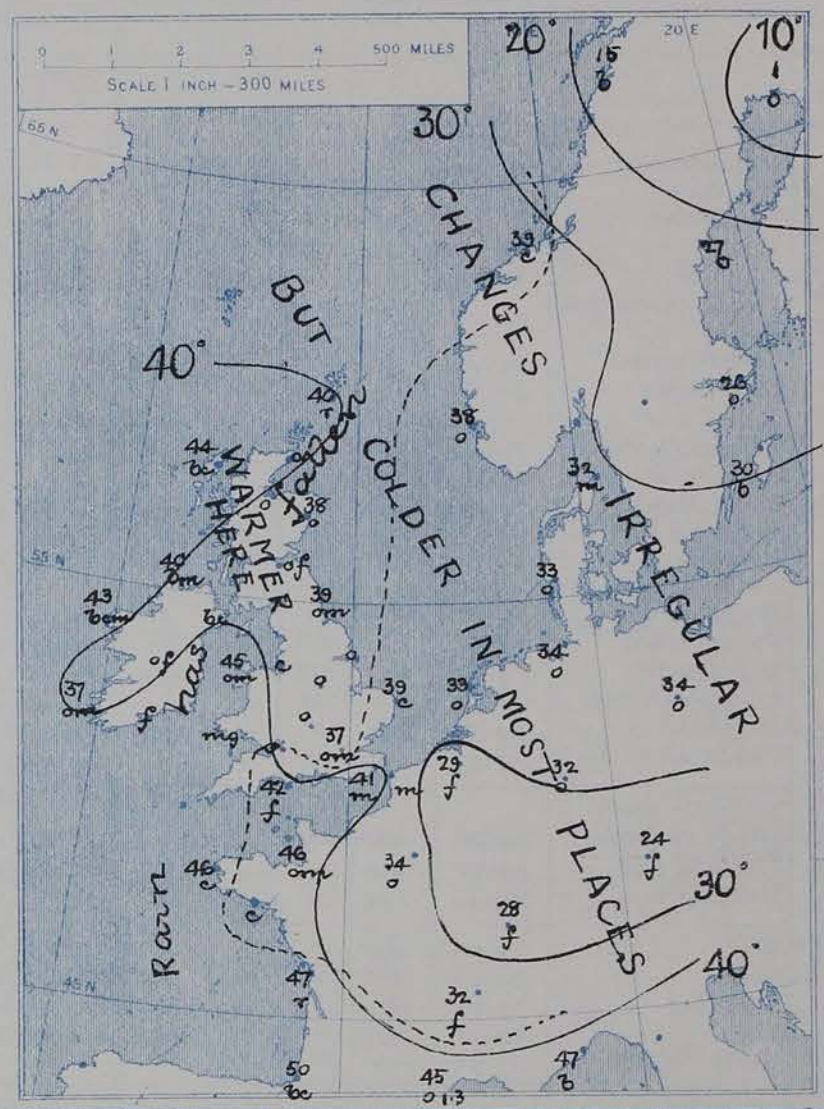
I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.
Force above 10 — *Force 8 to 10* — *Force 5 to 7* — *Force 1 to 4* — Calm
SEA.—Rough — *High*



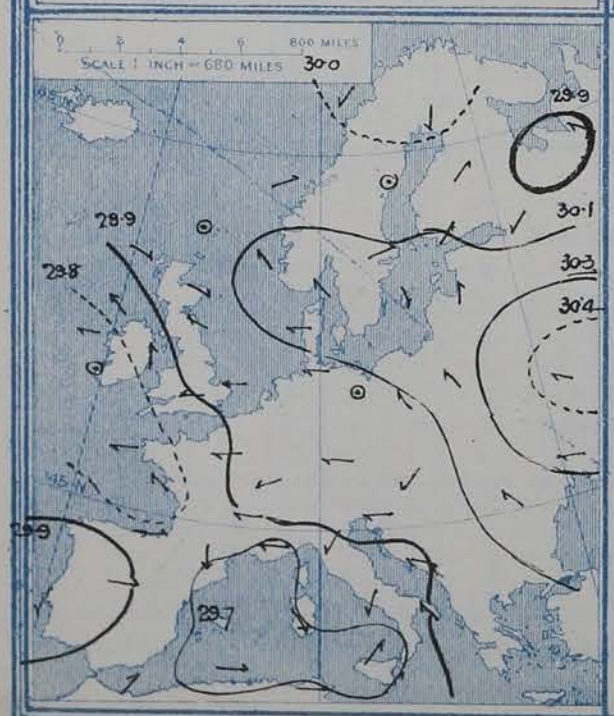
II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°
WEATHER.—Shown by Letters of the Beaufort Scale. *(See P. 4.)*
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus - 0·6

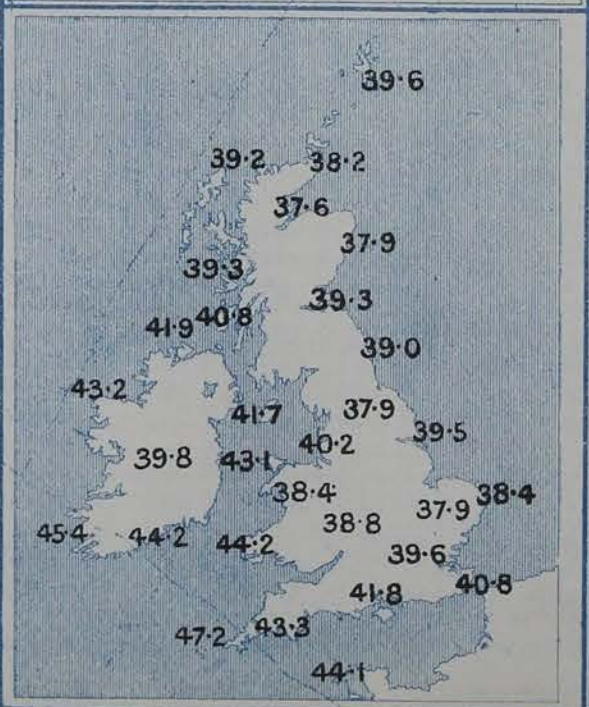


III. BAROMETER AND WIND

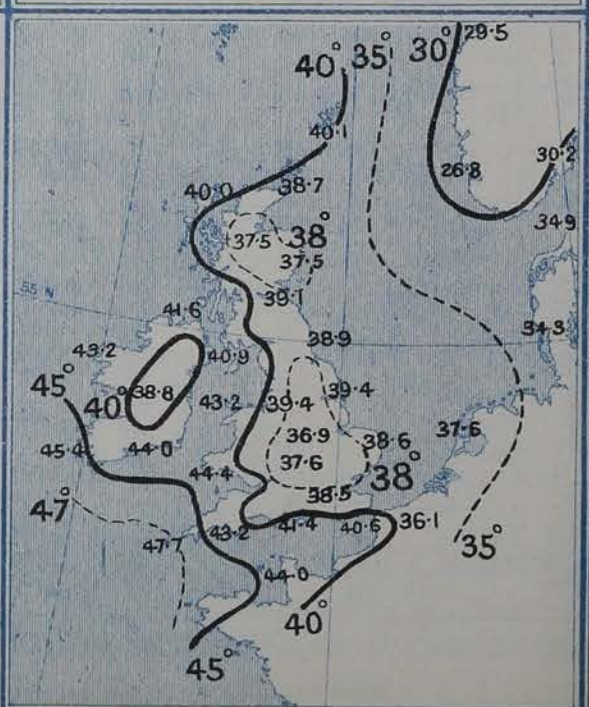
Yesterday morning.



IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMPERATURES *combined for the month of* DECECEMBER. *(1871-1900.)*



V. *Means of* DAILY TEMPERATURE *at 8 A.M. for the monthly period* DECEMBER. *(1871-1900.)*



GENERAL SITUATION AT 8 A.M.

PRESSURE

The anticyclone which has occupied Eastern Europe for some time past is being considerably reduced in intensity, the pressure, all of the barometer being general as far west as Scandinavia and Germany, the highest pressure reported this morning being 30·2 ins. over the southern extremity of Sweden. Over the British Isles and France a rise of the barometer has taken place, decided in the southwest, the disturbance of yesterday having passed away. A slight decline of pressure is reported to have now set in at our northern stations, apparently associated with the change over Scandinavia.

WIND

Calms and faint airs prevail over northern Scotland and the south of Ireland, S.Ely. or Ely. breezes over the rest of our Islands, blowing freshly at Yarmouth and round the north of Ireland, moderate to very light elsewhere. Calms and variables are reported over Scandinavia, moderate or light Ely. breezes over the rest of the Continent.

TEMPERATURE

Temperature has changed irregularly both at home and abroad, the readings ranging from 28° at Nairn, 32° at Stornoway and 33° at Aberdeen to 45° at Valencia, Parsonstown, Donaghadee and Pembroke and 46° at Portland Bill; from 8° at Haparanda, 21° Hernösand and 26° at Belfort to 47° at Brest, 48° at Lorient and Perpignan, and 50° at Biarritz.

WEATHER AND SEA

The weather is fair to fine at most of our northern and northeastern stations, but over the country generally it is dull with gloom or mist locally, fog at Nairn and Roches Point, drizzling rain at Pembroke and Holyhead, rain at Donaghadee and Malin Head. At Paris and in several parts of Scandinavia the sky is cloudless, elsewhere it is overcast, with fog over Belgium and Eastern France, and rain in the south of France and in Denmark. The sea is rather rough off Donaghadee, Pembroke and Yarmouth.

During yesterday temperature rose to 50° at Valencia and 49° at Roches Point, but a few stations failed to reach 40°, Nairn not passing above 32°. The Aberdeen maximum of 34° occurred during the night, and in the north of Ireland and at Jersey the highest readings were also in the night. Bright sunshine was almost entirely absent, only Margate and Stornoway recording a little.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There is no prospect of an immediate alteration in the general character of the conditions now prevalent, but the southerly movement of the Scandinavian anticyclone will probably lead eventually to the setting in of Wly. to N.Wly. winds and less settled weather over our northern districts.

FORECASTS*

For the 24 hours ending at NOON on 20TH DECEMBER, 1903

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	Light variable to Wly. breezes; changeable, fair to dull, some showers.	6 SCOTLAND WEST 7 ENGLAND N.W.	Moderate or light S.Ely. breezes; dull, some showers.
2 ENGLAND N.E. 3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	Moderate or light Ely. to S.Ely. breezes; dull generally, slight local showers.	8 ENGLAND S.W 9 IRELAND NORTH 10 IRELAND SOUTH	Same as Nos. 2 to 5.
		WARNINGS	At 9.45 a.m. today to Districts 7, 8, 9, 10 and part of 5, "LOWER CONE."

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph; see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.					This Morning 8 a.m.									Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind Direc.	Wind Force	Weather.	Barometer. Ins.	Barometer. Change	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direc.	Wind Force	Weather.	Sea.	Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	0	*	44	40	0	0·0	–
Bath	29·73	42	E	3	0	29.88	+·14	43	42	0	E	1	c	*	45	42	–	0·0	–

REPORTS FOR YESTERDAY.

STATIONS.	Temperture F. Max.	Temperture F. Min.	Weather.	Sunshine Hrs.	Rainfall. Ins.	STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine Hrs.	Rainfall. Ins.
Southport, to 9 p.m.... ...	43°	31°	m, o	0·0	–	Broadstairs...	*	*	*		*
Rhyl, to 6 p.m.	*	*	*	0·0	*	Margate	47	39	o, c	0·5	–
Llandudno...	*	*	*	0·0	*	Lowestoft, to 6 p.m.... ...					
Bettws-y-Coed, to 6 p.m. ...					*	Skegness	*	*	*	0·0	*
Aberystwyth, to 6 p.m. ...	44	41	c	0·0	–	Scarborough, to 6 p.m. ...	45	*	*	0·0	*
Plymouth, to 9 p.m.... ...	49	46	ou, op	0·0	0·56	Harrogate, to 6 p.m. ...	39	30	om, f	0·0	–
Worthing	*	*	*	0·0	*	Manchester, to 9 p.m. ...	45	32	bc, o	0·0	–
Brighton	44	*	*	0·0	*	Darwen, to 9 p.m.	41	33	om	0·0	–
Eastbourne, to 6 p.m. ...	45	*	*	0·0	*	Birmingham, to 9 p.m. ...	43	39	o	0·0	–
Hastings	*	*	*	0·0	*						

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 18th Decr. 1903.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	STATIONS.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.
Copenhagen	37	34	o, c	?	Algiers	61	52	o, +	0·12
Utrecht...	39	34	o, m	–	Tunis	61	43	o, o	–
Groningen	39	34	o, m	–	Madeira (Funchal) Not recd.				
Vienna	37	32	o, f	?	17th December.	1 p.m.	*	1 p.m.	Measured 7 a.m.
Marseilles	57	43	bc, o	–	Geneva	37	*	m	0·20
Florence	51	44	o, c	0·04	Berne	28	*	f	0·04
Rome	61	50	o, o	–	Coire	32	*	b	–
Naples	59	55	b, o	–	Castasegna	39	*	o	–
Palermo	66	56	bc, o	–	Lugano	43	*	o	–
Malta	65	61	?, o	–	Davos	30	*	b	–

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.‡ (W.E.T.)	6 p.m.
Holland	8 a.m. („ „)	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores { Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

19th Decr. 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	8.3	11.50	3.37
Greenwich	8.4	11.57	3.50
Wick	9.2	12.9	3.16
Valencia	8.48	12.38	4.28

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
„ Weekly „ „ „ £1 10 0 „ Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. Smith & Sons' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Monday, 21st December, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. **W. N. SHAW**, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M. S. L. Ins.	Barometer. Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Temperature. Change since Yesterday. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Temp. Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	30·28	12	N	0	0	30·14	-·09	19	18	+ 18	W	2	0	*	?	-9	-	*	0·04
	Hernösand ...	30·26	17	N	0	b	30·24	+·05	13	12	- 14	N	0	b	*	28	13	-	*	-
	Stockholm ...	30·36	28	W	2	0	30·41	+·15	30	29	+ 4	N	0	0	*	32	25	-	*	-
	Wisby	30·36	33	N	0	c	30·43	+·20	32	30	+ 2	N	0	bc	*	36	27	-	*	-
	Karlstad	30·36	27	N	2	0	30·38	+·14	27	27	+ 1	NE	2	0	*	*	*	0,s	*	-
	Færder (X'tania Fjord)																			
	Bodö	30·09	18	E	6	b	29·80	-·31	34	33	+ 19	E	4	0	2	?	15	-	*	-
	Christiansund ...	30·15	37	WSW	1	c	30·06	-·04	43	37	+ 4	WSW	3	0	4	43	34	-	*	-
	Skudesnaes ...	30·22	39	SE	4	0	30·25	+·09	40	39	+ 2	S	6	0	4	41	37	0	*	*
BRITISH ISLANDS.	Sumburgh Head	29·94	43	S	2	0	29·89	-·04	44	43	+ 4	S	4	0	5	44	39	0	*	0·08
	Stornoway ...	29·92	44	SW	3	0	29·69	-·14	49	46	+ 5	S	6	0	6	49	36	0	0·0	-
	Malin Head ...	29·94	40	SSW	5	cm	29·70	-·23	45	44	+ 5	S	7	og	4	45	39	bc,om	*	0·01
	Blacksod Pt. ...	29·88	44	SE	4	cm	29·60	-·32	53	51	+ 10	SSW	8	ogp	6	53	41	c,cm	*	0·11
	Valencia	29·92	47	SE	5	om	29·76	-·21	52	51	+ 15	SSE	6	om	5	52	36	o,om	0·2	0·43
	Roche's Point ...	30·02	47	S	4	bc	29·90	-·11	49	49	+ 6	S	6	og	6	49	42	f,bc	*	0·16
	Parsonstown ...	30·00	41	S	2	bc	29·86	-·13	48	47	+ 9	S	7	ogp	*	50	38	-	0·0	0·02
	Donaghadee ...	30·02	43	SSW	2	c	29·95	-·04	48	47	+ 8	SSW	4	c	3	48	37	-	*	0·01
	Liverpool Obsy.	30·12	40	SE	2	0	30·13	+·09	37	37	- 1	SE	3	0	?	41	36	-	*	-
	Holyhead ...	30·07	45	S	1	b	30·04	+·05	47	47	+ 2	S	6	om	4	47	42	c,b	*	-
	Pembroke (St. Ann's)	30·08	45	SE	5	m	30·07	+·08	50	49	+ 5	S	5	cgm	5	50	43	f,m	0·0	-
	Scilly (St. Mary's)...																			
	Jersey (St. Aubins)...	30·12	47	SE	1	bm	30·27	+·27	45	43	- 1	SSW	2	0	2	51	40	cf,bm	0·5	-
	Portland Bill ...	30·13	43	ENE	3	omd	30·21	+·22	45	44	+ 3	ESE	3	om	3	45	42	odm	*	-
	Dungeness ...	30·13	44	NNE	2	m	30·26	+·22	47	46	+ 6	S	2	m	1	47	40	c,m	0·1	-
	Wick	29·95	44	S	1	0	29·81	-·06	43	42	+ 1	S	4	c	3	45	36	-	*	-
	Nairn	29·98	36	N	0	b	29·85	-·06	43	41	+ 6	SW	3	0	1	43	30	-	*	0·01
	Aberdeen ...	30·04	37	SW	3	c	30·01	+·03	43	42	+ 5	SSE	4	om	2	43	33	o,bm,c	0·0	-
	Leith	30·05	39	N	0	0	30·03	+·02	39	38	+ 1	ESE	1	om	*	42	34	om,f	*	-
	North Shields ...	30·07	40	SSW	1	0	30·12	+·11	38	37	- 1	SSW	2	0	2	41	35	of,m	*	-
GERMANY, &c.	Spurn Head ...	30·16	38	SSW	3	0	30·21	+·17	37	37	- 3	SSW	3	f	3	43	35	o,f	*	-
	Yarmouth ...	30·08	42	SSE	3	cm	30·22	+·20	42	41	+ 3	S	2	c	2	42	38	c,cm	*	-
	Nottingham ...	30·14	38	SW	1	0	30·21	+·17	38	38	0	S	1	0	*	39	34	o	0·0	-
	Oxford	30·21	36	N	0	f	30·27	+·22	38	38	0	SE	1	fd	*	39	36	cf	*	0·01
	London (Brixton)...	30·14	40	ESE	1	0	30·25	+·22	40	40	+ 3	SE	1	omg	*	42	37	gf	0·0	-
	The Scaw (Skagen)	30·32	34	SSE	2	s	30·36	+·13	35	33	+ 3	WSW	1	0	0	36	30	-	*	0·04
	Fanö	30·24	34	E	2	r	30·31	+·12	33	32	0	E	1	0	*	36	?	-	*	-
	Cuxhaven ...	30·27	35	N	0	0	30·36	+·19	33	33	- 1	SSE	1	0	*	36	33	-	*	-
	The Helder ...	30·20	33	SSE	1	r	30·32	+·20	33	32	0	N	0	f	0	34	32	-	*	0·47
	Brussels	*	*	*	*	*	30·36	+·26	32	31	+ 3	N	0	c	*	35	29	-	*	0·04
	Berlin	30·28	35	WNW	2	0	30·41	+·28	35	34	+ 1	WNW	1	0	*	36	32	-	*	-
	Frankfürt ...	30·33	33	S	2	0	30·42	+·22	31	31	- 1	SE	2	0	*	34	30	-	*	-
	Munich	30·25	26	E	2	f	30·40	+·30	22	22	- 2	E	3	f	*	27	21	-	*	-
FRANCE.	C. Gris Nez ...	30·11	39	ENE	1	m	30·28	+·28	38	38	+ 4	S	3	m	3	41	34	-	*	-
	Brest	30·09	47	N	0	bc	30·18	+·24	49	48	+ 3	SE	3	b	3	54	45	-	*	-
	Lorient	30·11	45	SW	1	b	30·25	+·30	45	44	+ 2	SSE	3	0	3	52	43	-	*	-
	Rochefort ...	30·08	49	ESE	2	bc	30·24	+·31	45	44	- 2	ESE	3	c	*	54	43	bc,r	*	-
	Biarritz	30·15	52	N	0	0	30·32	+·33	49	48	- 1	N	0	b	2	57	46	-	*	-
SPAN. PEN.	Paris	30·17	37	ESE	1	0	30·34	+·30	37	37	+ 3	SSW	1	0	*	40	34	-	*	0·04
	Belfort	30·23	28	ENE	4	f	30·38	+·28	28	28	0	ENE	3	f	*	31	26	-	*	-
	Lyons	30·20	33	N	0	f	30·40	+·27	33	33	+ 1	N	1	f	*	35	32	-	*	-
	Nice	30·14	48	N	0	b	30·27	+·27	44	40	- 3	N	0	b	2	55	43	-	*	-
	Perpignan ...	30·13	50	N	0	r	30·28	+·28	48	46	+ 3	NW	1	0	*	53	45	-	*	0·08
	Corunna																		*	
	Lisbon	30·19	51	NNW	3	b	30·27	+·20	45	44	- 6	NE	4	bc	*	57	45	-	*	-
	Azores (P. Delgada)	30·08	63	SSW	6	c	30·05	-·12	58	56	- 5	WNW	5	m	5	66	57	-	*	0·20
	" (Horta) ...	29·93	63	SW	4	r	30·01	-·05	57	50	- 6	W	4	0	2	66	57	-	*	0·20

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

† *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

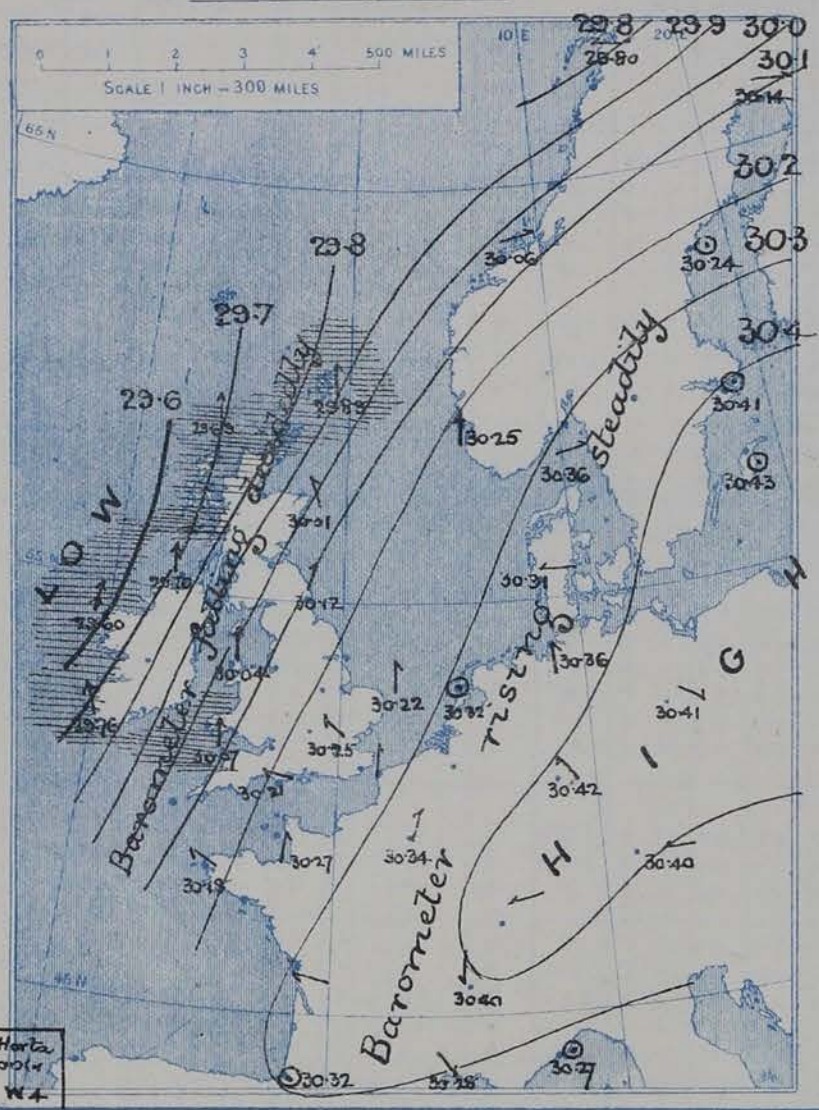
FOR Monday, 21st December, *1903.*

I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.

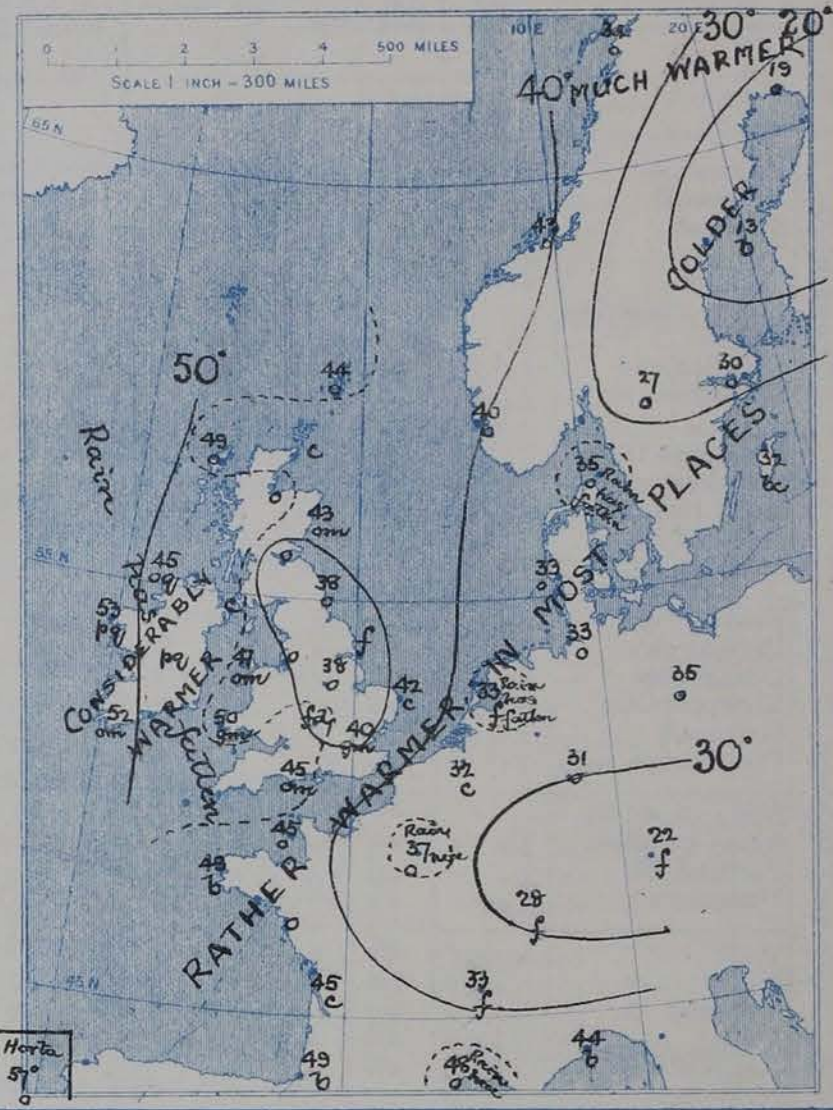
Force above 10 ⟶⟶ : *Force 5 to 7* ⟶ : } Calm ⊙
Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough *High*



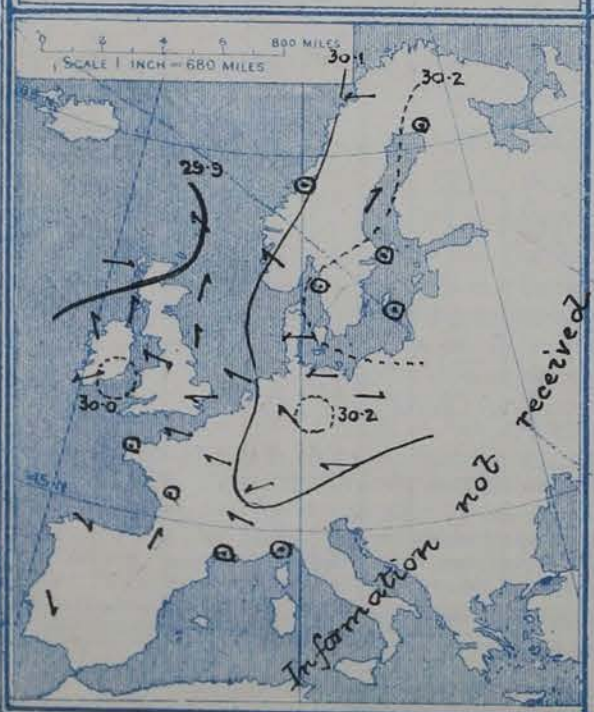
II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale. *(See P. 4.)*
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus - 0·6

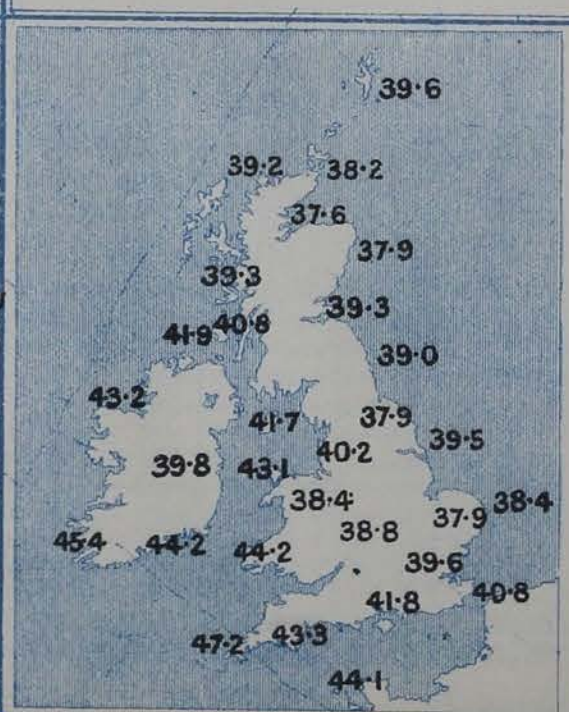


III. BAROMETER AND WIND

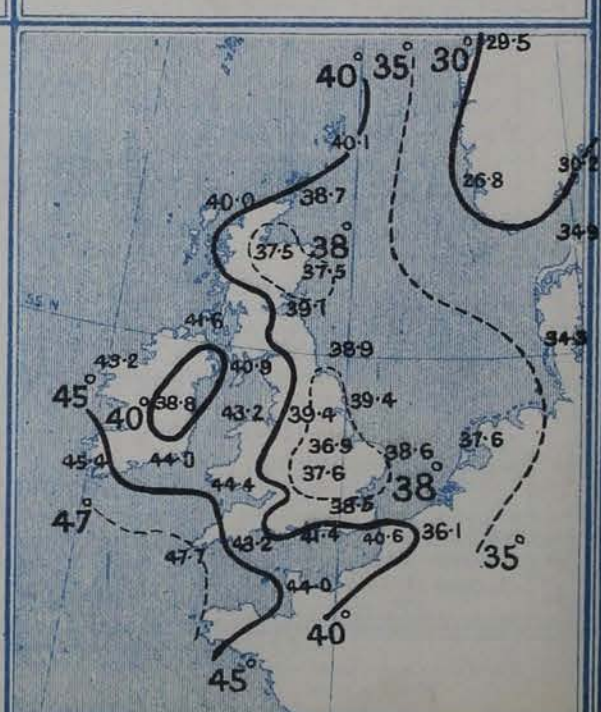
Yesterday morning.



IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMPERATURES *combined for the month of* DECEMBER. *(1871-1900.)*



V. *Means of* DAILY TEMPERATURE *at 8 A.M. for the monthly period* DECEMBER. *(1871-1900.)*



GENERAL SITUATION AT 8 A.M.

PRESSURE

The barometer is still highest, 30·2 ins. and upwards, in the south of Sweden, but the anticyclone recently noticed over northern Europe has extended its borders westwards and southwards over the whole of England, France and Germany. The lowest pressures, 29·9 ins. and less, are found in a large shallow depression over the west and north of Scotland, and the adjacent parts of the Atlantic, in which regions the barometer is falling slowly. In all other parts of western Europe the mercury is at present rising.

WIND

The wind is light from the E^wd or SE^wd over the greater part of our area, but from the SW^wd in Scotland and the north of Ireland.

TEMPERATURE

Temperature has fallen in England and Ireland, and also in Denmark and the south of Scandinavia, but has changed rather irregularly elsewhere. Over western Europe as a whole the readings now differ but little from the average. In central Ireland and all the more northern and central parts of Great Britain and in the west of Norway, the thermometer is slightly below 40° while at most places in the northern and central parts of the Continent it is below the freezing point. Over the northern parts of Scandinavia the frost is severe, the readings of the thermometer being as low as 1° at Haparanda and 15° at Bodö.

WEATHER AND SEA

The weather is fine in the north of Ireland, as well as at many of the Scandinavian stations, but is cloudy or dull elsewhere, with fog or mist in many places, and with rain in the Shetlands. The sea is slight or smooth generally, but is rather rough at Sumburgh Head.

During yesterday the thermometer remained below 45° on all but our western and southern coasts; at Nairn it did not exceed 37°. Rain fell at all our more western and northern stations, and locally in the south and southeast. Over the greater part of the United Kingdom there was an entire absence of bright sunshine,—the only station reporting any appreciable amount being Jersey with 1·5 hour and Skegness 1·4 hour.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS*

For the 24 hours ending at NOON on 21st December, 1903

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	None issued.	6 SCOTLAND WEST	None issued.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W	
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph; see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

Telegraphic Reports To-day.	Yesterday 6 p.m. Bar. Ins.	Temp. °	Wind Direc.	Wind Force	Weather.	This Morning 8 a.m. Barometer. Ins.	Barometer. Change.	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direc.	Wind Force	Weather.	Sea.	Past 24 Hours. Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	0	*	41	38	0	0.0	—
Bath	29.89	40	E	1	bc	30.06	+ .18	40	39	−3	E	1	0	*	44	39	—	?2.0	—

REPORTS FOR YESTERDAY.

Stations.	Temperture F. Max.	Temperture F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.	Stations.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.
Southport, to 9 p.m.... ...	43	40	or, 0	0.0	0.01	Broadstairs...	*	*	*		*
Rhyl, to 6 p.m.	*	*	*		*	Margate	41	40	c	0.0	0.01
Llandudno...	*	*	*		*	Lowestoft, to 6 p.m.... ...					
Bettws-y-Coed, to 6 p.m. ...	44	*	*	0.0	*	Skegness	*	*	*	1.4	*
Aberystwyth, to 6 p.m. ...	45	41	or	0.0	0.04	Scarborough, to 6 p.m. ...					
Plymouth, to 9 p.m.... ...	49	45	o, p, o	0.0	0.06	Harrogate, to 6 p.m. ...	42	39	om	0.0	0.07
Worthing	*	*	*	0.0	*	Manchester, to 9 p.m. ...					
Brighton		*	*		*	Darwen, to 9 p.m.	41	36	or, om	0.0	0.11
Eastbourne, to 6 p.m. ...		*	*		*	Birmingham, to 9 p.m. ...	42	38	o	0.0	—
Hastings	*	*	*	0.0	*						

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

Stations. 19th Decr, 1903.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	Stations.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.
Copenhagen	37	34	o, o	—	Algiers	61	50	c, o	0.04
Utrecht...	39	30	m, m	—	Tunis	59	39	o, o	0.20
Groningen	36	32	o, o	—	Madeira (Funchal) Not recd.				
Vienna	39	32	f, f	—	18th December.	1 p.m.	*	1 p.m.	Measured 7 a.m.
Marseilles	61	48	o, o	0.12	Geneva	34	*	m	? 0.24
Florence	54	41	o, o	—	Berne	27	*	f	—
Rome	61	44	o, c	—	Coire	46	*	bc	—
Naples	59	52	b, b	—	Castasegna	39	*	o	—
Palermo	64	49	r, bc	0.51	Lugano	43	*	r	0.12
Malta	55	52	?, c	0.24	Davos	41	*	bc	—

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

Countries, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.‡ (W.E.T.)	6 p.m.
Holland	8 a.m. („ „)	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores: Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores: Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

20th Decr, 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	8.4	11.51	3.38
Greenwich	8.5	11.58	3.51
Wick	9.3	12.10	3.17
Valencia	8.49	12.39	4.29

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
„ Weekly „ „ „ £1 10 0 „ Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Tuesday, 22nd. December, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M. S. L. Ins.	Barometer. Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Temperature. Change since Yesterday. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Temp. Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.90	30	S	4	o	29.92	−.22	33	32	+14	W	4	o	*	33	9	–	*	–
	Hernösand ...	30.23	22	Z	0	b	30.09	−.15	31	30	+18	SW	4	o	*	31	10	–	*	–
	Stockholm ...	30.49	29	SSW	2	o	30.47	+.06	32	32	+2	WSW	2	o	*	34	27	–	*	–
	Wisby	30.52	31	Z	0	c	30.56	+.13	34	33	+2	Z	0	o	*	37	28	–	*	–
	Karlstad	30.45	33	WSW	2	o	30.43	+.05	34	33	+7	W	2	o	*	*	*	–	*	–
	Færder (X'iania Fjord)																		*	
	Bodö	29.81	41	SW	6	r	29.71	−.09	39	37	+5	SW	6	r	4	41	34	–	*	0.83
	Christiansund ...	30.02	40	WSW	2	c	29.82	−.24	47	42	+4	WSW	2	o	4	47	39	–	*	–
	Skudesnaes ...	30.26	41	SSE	8	o	30.18	−.07	44	43	+4	S	8	o	5	44	39	o	*	*
BRITISH ISLANDS.	Sumburgh Head	29.72	45	SSE	7	o	29.66	−.23	47	46	+3	S	4	r	6	47	44	o	*	0.09
	Stornoway ...	29.49	51	SW	8	o	29.54	−.15	51	49	+2	SE	7	o	7	51	48	o, r	0.0	0.27
	Malin Head ...	29.57	51	S	7	og	29.62	−.08	49	48	+4	S	7	r	5	51	45	rgm, og	*	0.05
	Blacksod Pt. ...	29.56	52	SSW	9	rgm	29.60	.00	49	48	−4	SSW	8	rgm	6	54	49	ogpm	*	0.95
	Valencia	29.71	53	SSE	6	rgm	29.72	−.04	50	48	−2	SSE	5	omp	5	54	49	om, rgm	0.0	0.62
	Roche's Point ...	29.87	50	S	5	om	29.83	−.07	49	49	0	SSW	4	r	4	52	48	m, of	*	0.36
	Parsonstown ...	29.80	52	S	6	o	29.77	−.09	48	47	0	SSW	3	or	*	54	45	orq	0.0	0.32
	Donaghadee ...	29.87	50	SSW	3	od	29.77	−.18	52	51	+4	SSW	4	odq	3	52	?48	od	*	0.18
	Liverpool Obsy.	30.09	44	SSE	3	o	30.02	−.11	48	47	+11	SE	4	o	3	49	?37	omp	*	0.05
	Holyhead ...	29.97	48	S	8	rgqm	29.92	−.12	51	50	+4	S	8	oq	6	51	46	ogm, rgm	*	0.12
	Pembroke (St. Ann's)	30.02	50	S	7	o	29.96	−.11	52	51	+2	S	8	ogqu	6	52	49	ogp	0.0	0.08
	Scilly (St. Mary's)...																			
	Jersey (St. Aubins)...	30.30	45	SSE	3	ogm	30.29	+.02	47	46	+2	SE	3	bc	3	47	44	ogm	0.0	–
	Portland Bill ...	30.26	47	S	4	o	30.19	−.02	48	48	+3	S	4	pd	3	48	45	c, o	*	0.01
	Dungeness ...	30.29	48	S	3	m	30.31	+.05	46	45	−1	SW	6	o	4	48	45	o, m	0.0	–
	Wick	29.68	45	S	7	o	29.63	−.18	47	46	+4	S	4	o	4	48	40	–	*	0.05
	Nairn	29.70	49	SW	3	o	29.64	−.21	47	45	+4	Z	0	o	1	52	42	–	*	0.01
	Aberdeen ...	29.91	45	SSE	5	o	29.76	−.25	47	46	+4	SSE	4	om	3	47	42	b, ogp	0.0	0.01
	Leith	29.85	52	SW	4	o	29.81	−.22	54	50	+15	S	3	o	*	55	33	c, og	*	–
	North Shields ...	30.07	43	SSW	4	o	29.97	−.15	47	46	+9	SSW	5	om	2	47	38	cm, o	*	–
GERMANY, &c.	Spurn Head ...	30.20	39	SSE	4	o	30.14	−.07	45	44	+8	S	5	o	4	45	35	–	*	–
	Yarmouth ...	30.28	43	SSW	3	c	30.24	+.02	45	43	+3	SSW	5	og	4	45	40	c	*	–
	Nottingham ...	30.22	44	SSE	1	o	30.13	−.08	47	46	+9	S	3	c	*	47	36	o	0.0	–
	Oxford	30.26	44	S	2	c	30.21	−.06	47	46	+9	S	2	o	*	48	38	c, o	*	–
	London (Brixton)...	30.28	46	SSW	2	og	30.25	.00	48	47	+8	SSW	3	o	*	48	?40	gm, o	0.4	–
	The Scaw (Skagen)	30.47	33	W	3	m	30.45	+.09	35	33	0	SW	3	m	1	36	32	–	*	–
	Fanö	30.49	33	SE	2	o	30.47	+.16	31	31	−2	SSE	3	m	*	37	27	–	*	–
	Cuxhaven ...	30.45	33	S	2	b	30.49	+.13	31	31	−2	SSW	3	f	*	36	30	–	*	–
	The Helder ...	30.39	32	SSE	1	m	30.37	+.05	35	35	+2	S	2	f	1	37	30	–	*	0.04
	Brussels	*	*	*	*	*	30.46	+.10	31	31	−1	SSE	1	f	*	41	31	–	*	–
	Berlin	30.39	36	SW	1	o	30.61	+.20	34	32	−1	SSE	2	o	*	37	32	–	*	–
	Frankfürt ...	30.54	38	Z	0	o	30.56	+.14	28	28	−3	SE	2	c	*	36	28	–	*	–
	Munich	30.49	24	E	2	f	30.53	+.13	20	20	−2	E	5	f	*	25	19	–	*	–
FRANCE.	C. Gris Nez ...	30.32	43	SSE	4	o	30.29	+.01	43	42	+5	S	4	m	3	46	26	–	*	–
	Brest	30.21	52	SSE	4	o	30.17	−.01	51	51	+2	S	4	r	4	52	49	–	*	–
	Lorient	30.28	50	SE	3	m	30.24	−.01	50	49	+5	SSE	3	bc	4	54	45	–	*	–
	Rochefort ...	30.32	48	SSE	2	b	30.28	+.04	39	39	−6	S	2	f	*	52	37	b	*	0.04
	Biarritz	30.36	52	E	3	b	30.34	+.02	47	44	−2	Z	0	b	1	55	39	–	*	–
	Paris	30.42	44	SE	2	o	30.44	+.10	32	32	−5	ESE	2	f	*	48	32	–	*	–
	Belfort	30.46	28	ENE	2	f	30.48	+.10	27	27	−1	ENE	5	f	*	32	27	–	*	–
	Lyons	30.47	36	N	1	f	30.49	+.09	32	32	−1	N	1	f	*	38	32	–	*	–
	Nice	30.33	45	E	1	b	30.33	+.06	43	39	−1	E	2	b	2	55	45	–	*	–
	Perpignan ...	30.34	48	Z	0	b	30.35	+.07	37	37	−11	Z	0	b	*	59	36	–	*	–
SPAN. PEN.	Corunna																		*	
	Lisbon														*				*	
	Azores (P. Delgada)																		*	
	„ (Horta) ...	30.29	52	Z	0	b	30.40	+.39	53	48	−4	NW	2	c	2	64	50	–	*	–

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

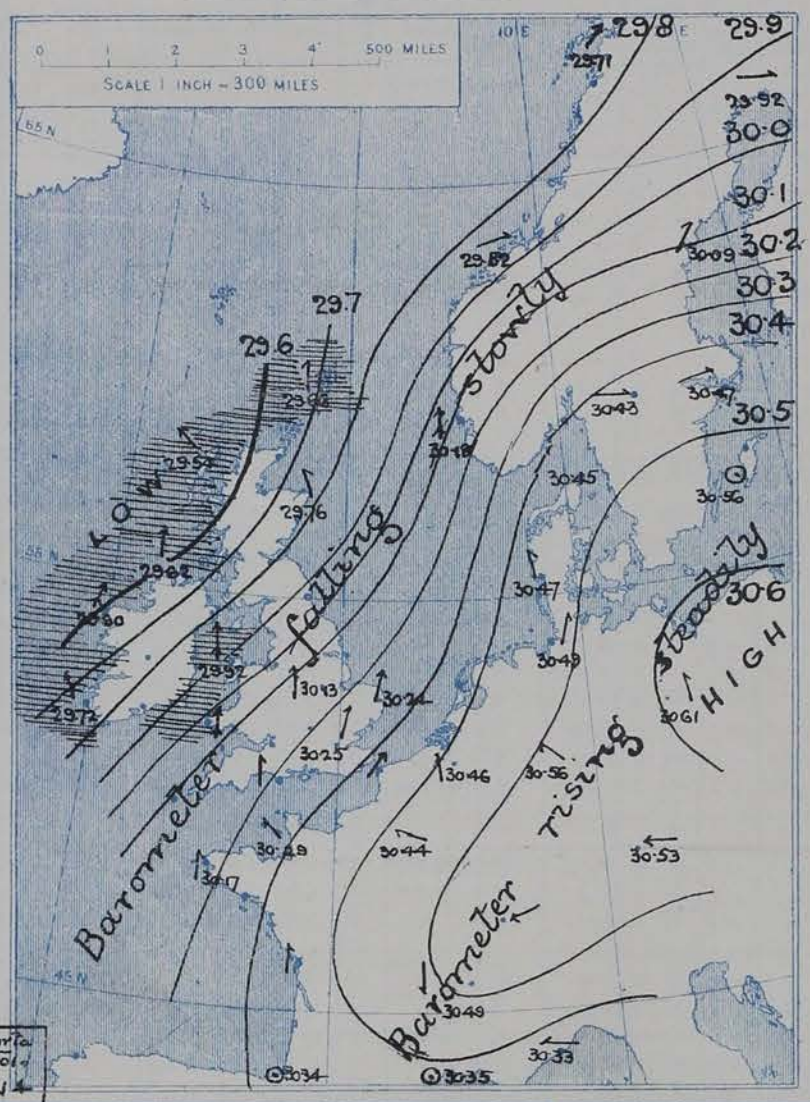
† *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR TUESDAY, 22ND DECEMBER, *1903.*

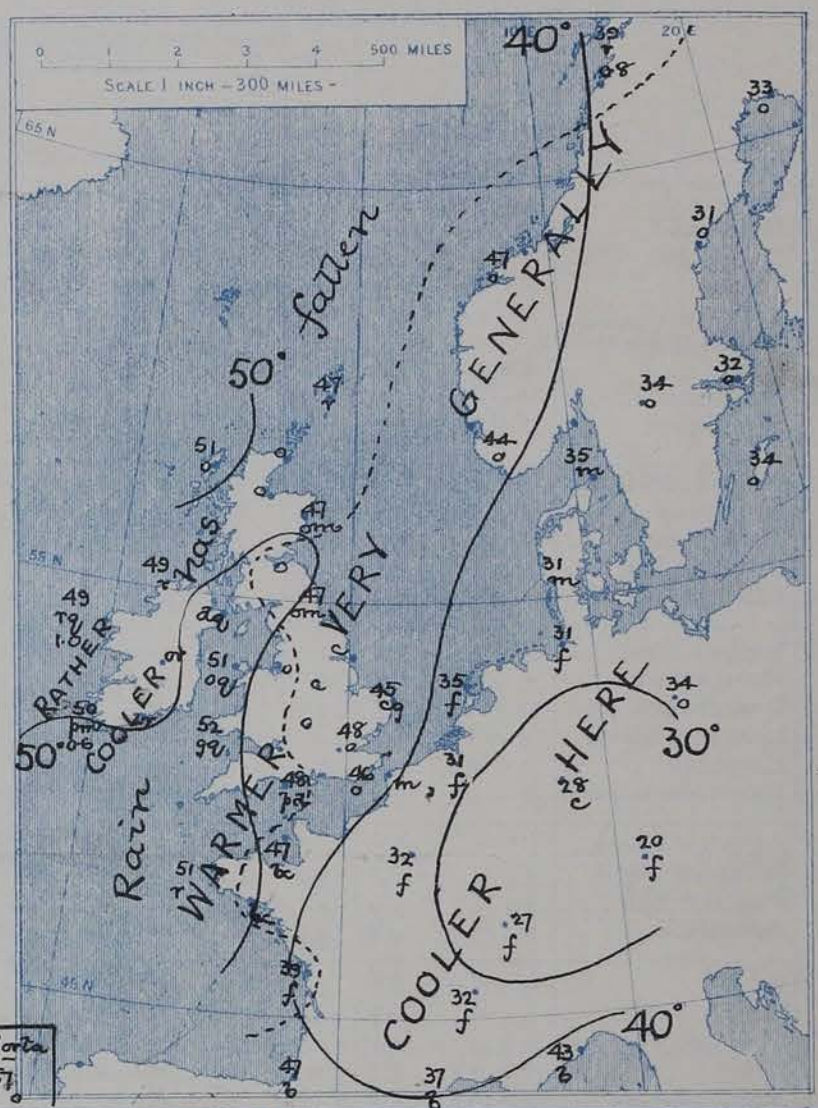
I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.
Force above 10 ⟶⟶ : *Force 5 to 7* ⟶ : } Calm ⊙
Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }
SEA.—Rough *High*



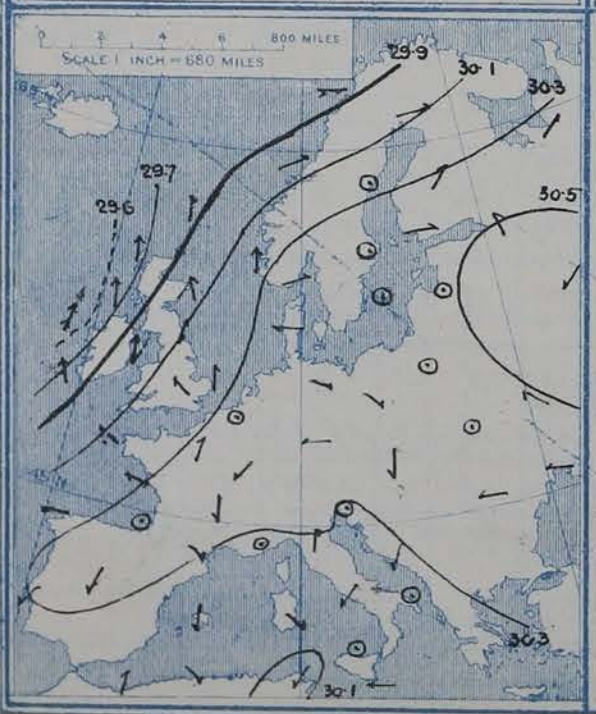
II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale. *(See P. 4.)*
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus – 0·6

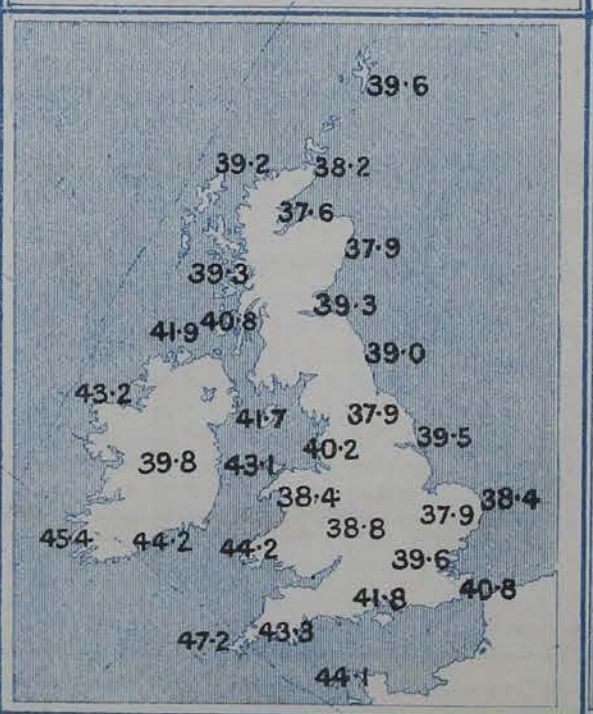


III. BAROMETER AND WIND

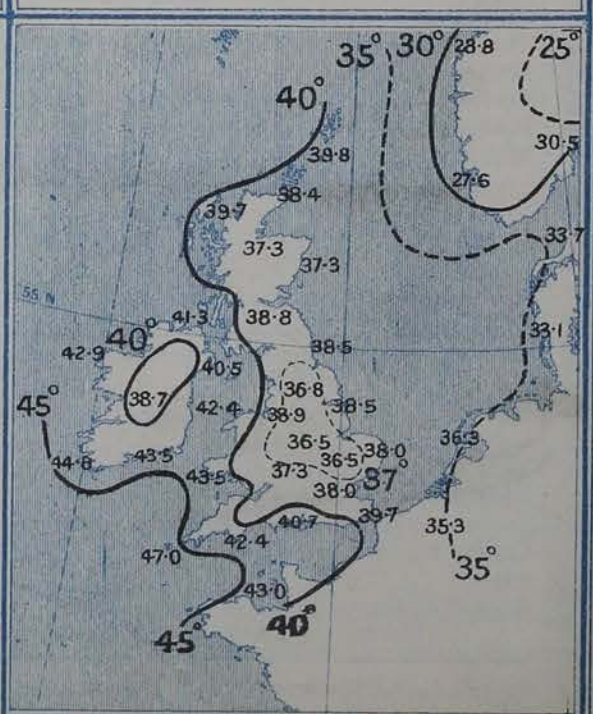
Yesterday morning.



IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMPERATURES *combined for the month of* DECEMBER. *(1871–1900.)*



V. *Means of* DAILY TEMPERATURE *at 8 A.M. for the Two monthly period* DECEMBER–JANUARY *(1871–1900)*



GENERAL SITUATION AT 8 A.M.

PRESSURE

The anticyclone has continued to expand westward and to increase further in intensity, the barometer now being above 30·4 ins. over Germany, the Baltic and Southern Sweden, and above 30·2 ins. over France, the southeast quarter of England and a great part of Scandinavia. In the course of the past night, however, a disturbance of considerable extent has approached our western coasts, where a rapid fall of the barometer has taken place, being now down to 29·6 ins. at Blacksod Point, and the gradient over our western districts generally is becoming steep.

WIND

Over the eastern half of Britain very light to moderate breezes from about S. or S.E. are reported, but in other parts of the Kingdom the wind is increasing from S., already blowing fresh or strong in most places, a moderate gale at Parsonstown and Malin Head and a fresh gale at Blacksod Point. Calms and light breezes from various directions prevail extensively on the Continent.

TEMPERATURE

Temperature has fallen decidedly in the east of Sweden, slightly in one or two other localities on the Continent and in England, but generally there has been a rise, a very marked one in Ireland and the north of Norway. The present readings range from 37° at Liverpool and Ipswich Head, and 38° at Oxford, Nottingham and Shields to 50° at Pembroke, 52° at Valencia and 53° at Blacksod Point; from 13° at Haparanda, 19° at Haparanda and 22° at Munich to 48° at Perpignan and 49° at Biarritz and Brest.

WEATHER AND SEA

At nearly all home and foreign stations the weather is dull, with mist or fog in various parts of Britain and Western Europe, and passing showers in central and northwest Ireland. The sea is rough or rather rough at most of the west and north coast stations.

During yesterday afternoon temperature rose to 51° at Jersey and to 48° at Valencia, but the maximum values for the past 24 hours have in many districts occurred during the night or this morning. At Harrogate, Nottingham and Oxford the maximum was only 39°. Bright sunshine amounted to 4·3 hours at Rhyl and to 4 hours at Llandudno and Aberystwyth, little or none elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The increase of pressure over the Continent and the eastern parts of England, and the decided fall of the barometer in the west, attended by a general and marked increase of temperature, point to the probability of very stormy conditions on all our western coasts, which may later affect our more eastern districts.

FORECASTS*

For the 24 hours ending at NOON on 22ND DECEMBER, 1903

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	Sly. or S.Wly. strong winds or gales; squally, unsettled to rainy. Mild.
1 SCOTLAND EAST	Freshening Sly. winds; dull to showery. Mild.
2 ENGLAND N.E.	
3 ENGLAND EAST	Light or moderate Sly. winds; misty or foggy at first; less settled later, with showers and rising temperature.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	Same as No. 0.
7 ENGLAND N.W.	
8 ENGLAND S.W	
9 IRELAND NORTH	
10 IRELAND SOUTH	
WARNINGS	At 9.15 am. today to Districts 6, 7, 9, 10, and parts of 0 and 8, "HOIST SOUTH CONE".

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone

* *For terms for transmission of Forecasts by Telegraph; see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.					This Morning 8 a.m.									Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind Direc.	Wind Force	Weather.	Barometer. Ins.	Barometer. Change	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direc.	Wind Force	Weather.	Sea.	Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	m	*	43	38	0	0·0	—
Bath	30·08	41	E	1	0	30·22	+·16	42	41	+ 2	NE	1	c	*	43	36	—	0·0	—

REPORTS FOR YESTERDAY.

STATIONS.	Temperture F. Max.	Temperture F. Min.	Weather.	Sunshine Hrs.	Rainfall. Ins.	STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine Hrs.	Rainfall. Ins.
Southport, to 9 p.m.... ...	41	38	om, c, o	0·0	0·01	Broadstairs...	*	*	*		*
Rhyl, to 6 p.m.	*	*	*	4·3	*	Margate	43	36	c	0·0	0·01
Llandudno...	*	*	*	4·0	*	Lowestoft, to 6 p.m.... ...					
Bettws-y-Coed, to 6 p.m. ...	44	39	o, bc	1·9	*	Skegness	*	*	*	0·0	*
Aberystwyth, to 6 p.m. ...	46	42	c	4·0	—	Scarborough, to 6 p.m. ...	42	*	*	0·0	*
Plymouth, to 9 p.m.... ...						Harrogate, to 6 p.m. ...	39	37	om, o	0·0	—
Worthing	*	*	*	0·0	*	Manchester, to 9 p.m. ...					
Brighton	44	*	*	0·0	*	Darwen, to 7 p.m.	37	35	o, of	0·0	—
Eastbourne, to 6 p.m. ...	45	*	*	0·0	*	Birmingham, to 9 p.m. ...	39	36	o, f	0·0	—
Hastings	*	*	*	0·0	*						

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 20th Decr. 1903.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	STATIONS.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.
Obsns. not received.					Obsns. not received.				
Copenhagen					Algiers				
Utrecht...					Tunis				
Groningen					Madeira (Funchal)				
Vienna					19th December.	1 p.m.	*	1 p.m.	Measured 7 a.m.
Marseilles					Geneva	34	*	m	—
Florence					Berne	27	*	f	—
Rome					Coire	48	*	bc	—
Naples					Castasegna	43	*	c	0·04
Palermo					Lugano	46	*	o	0·32
Malta					Davos	36	*	c	—

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.‡ (W.E.T.)	6 p.m.
Holland	8 a.m. (" ")	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores { Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

21st Decr. 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	8.4	11.51	3.38
Greenwich	8.5	11.58	3.51
Wick	9.3	12.10	3.17
Valencia	8.49	12.39	4.29

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " " £1 10 0 " Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1. ‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 23rd December, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins.	Barometer. Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Temperature. Change since Yesterday. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Temp. Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.88	33	SW	2	0	29.74	-.18	33	33	0	SW	2	0	*	34	28	-	*	-
	Hernösand ...	30.02	37	✕	0	0	29.98	-.11	40	37	+9	SW	2	0	*	40	21	-	*	-
	Stockholm ...	30.40	35	SW	2	0	30.40	-.07	32	32	0	SW	1	0	*	36	27	-	*	-
	Wisby	30.54	37	W	4	0	30.50	-.06	35	33	+1	WSW	6	0	*	37	28	-	*	-
	Karlstad	30.39	35	WSW	6	0	30.39	-.04	35	33	+1	?SSW	6	0	*	*	*	-	*	-
	Færder (X'tiania Fjord)																		*	
	Bodö	29.65	43	SW	6	r	29.53	-.18	46	44	+7	SW	8	0	5	46	39	-	*	0.43
	Christiansund ...	29.73	44	WSW	4	0	29.80	-.02	46	43	-1	✕	0	0	4	47	43	-	*	-
	Skudesnaes ...	30.14	44	S	8	0	30.12	-.06	44	43	0	S	8	0	6	45	43	0	*	*
BRITISH ISLANDS.	Sumburgh Head	29.62	47	SSW	4	0	29.76	+.10	46	44	-1	SW	4	8c	5	48	43	0	*	0.02
	Stornoway ...	29.55	49	SW	6	0	29.76	+.22	44	42	-7	WSW	4	c	4	51	42	0	0.0	0.06
	Malin Head ...	29.69	46	S	7	r	29.91	+.29	43	41	-6	S	3	8	2	49	41	0,r	*	0.04
	Blacksod Pt. ...	29.64	45	WNW	5	cmp	29.97	+.37	45	41	-4	WSW	4	8	4	49	44	opm	*	0.68
	Valencia	29.69	48	SSE	4	op	30.05	+.33	36	35	-14	ENE	1	8	4	51	35	og,op	0.0	0.11
	Roche's Point ...	29.80	49	NW	2	c	30.06	+.23	39	39	-10	N	2	8	2	49	38	r,c	*	0.16
	Parsonstown ...	29.77	47	SE	2	0	30.04	+.27	34	33	-14	E	1	8	*	48	32	or	0.0	0.19
	Donaghadee ...	29.81	47	SSW	2	odm	29.99	+.22	43	42	-9	WSW	2	8c	1	52	42	-	*	0.35
	Liverpool Obsy.	29.95	49	SSE	4	0	30.04	+.02	45	44	-3	WSW	1	0	2	51	45	cm,op	*	0.15
	Holyhead ...	29.87	48	WNW	6	r	30.01	+.09	46	44	-5	W	3	c	3	52	44	o,r	*	0.36
	Pembroke (St. Ann's)	29.90	52	SSW	7	0	30.02	+.06	46	45	-6	N	2	ogm	5	52	45	-	0.0	0.12
	Scilly (St. Mary's)...	29.98	53	WSW	3	m	30.00		50	49		NNW	3	m	6	54	49	-	0.0	0.13
	Jersey (St. Aubins)...	30.18	47	ESE	5	og	30.03	-.26	42	41	-5	SE	3	of	3	48	41	og,m	0.0	-
	Portland Bill ...	30.11	48	S	5	c	30.04	-.15	46	45	-2	SE	1	c	2	49	45	c	*	-
	Dungeness ...	30.25	44	SSW	5	0	30.09	-.22	38	37	-8	SSW	1	f	3	47	37	om	0.2	-
	Wick	29.63	47	S	3	c	29.79	+.16	44	43	-3	S	2	8c	2	49	42	-	*	-
	Nairn	29.68	47	SW	2	c	29.82	+.18	43	41	-4	SW	2	c	1	49	40	-	*	0.01
	Aberdeen ...	29.77	49	SSW	4	og	29.90	+.14	45	44	-2	SSE	3	om	3	51	44	o,og	0.0	-
	Leith	29.81	52	SSW	1	r	29.92	+.11	48	45	-6	SSW	1	c	*	55	45	r	*	0.09
	North Shields ...	29.94	50	S	4	om	29.98	+.01	46	45	-1	SSW	3	cm	2	50	44	cm,om	*	-
	Spurn Head ...	30.09	45	SSE	6	c	30.05	-.09	43	43	-2	SSE	4	og	3	47	40	-	*	-
	Yarmouth ...	30.20	45	S	5	c	30.09	-.15	41	40	-4	SSE	4	of	4	46	40	c	*	-
	Nottingham ...	30.07	47	S	3	8c	30.04	-.09	46	44	-1	S	1	0	*	50	45	o,8c	0.0	-
	Oxford	30.14	46	SSW	3	0	30.08	-.13	45	44	-2	SSE	1	0	*	49	45	o	*	-
	London (Brixton)...	30.19	46	S	3	0	30.07	-.18	42	41	-6	S	1	0	*	50	41	o	0.1	-
GERMANY, &c.	The Scaw (Skagen)	30.40	35	SW	4	m	30.36	-.09	36	35	+1	SW	5	m	1	37	34	-	*	-
	Fanö	30.44	32	S	6	0	30.36	-.11	30	29	-1	SE	6	m	*	35	30	-	*	-
	Cuxhaven ...	?30.47	31	S	3	f	30.34	-.15	30	30	-1	SE	4	0	*	32	28	f	*	-
	The Helder ...	30.32	31	S	1	m	30.18	-.19	33	33	-2	SE	1	m	1	36	30	-	*	-
	Brussels	*	*	*	*	*	30.17	-.29	27	?	-4	✕	0	f	*	?	?	-	*	?
	Berlin	30.61	31	S	2	8	30.47	-.14	30	29	-4	SE	3	8	*	36	28	-	*	-
	Frankfürt ...	30.49	32	E	2	0	30.29	-.27	32	32	+4	E	1	0	*	34	28	-	*	-
	Munich	30.45	26	E	5	0	30.19	-.34	25	25	+5	E	6	0	*	27	20	-	*	-
FRANCE.	C. Gris Nez ...	30.20	39	SSE	4	8c	30.06	-.23	35	34	-8	ENE	1	8	2	43	34	-	*	-
	Brest	30.06	53	S	4	0	29.99	-.18	46	46	-5	N	3	f	3	53	45	-	*	0.28
	Lorient	30.15	49	S	3	8	29.97	-.27	43	43	-7	SE	3	m	4	54	41	-	*	-
	Rochefort ...	30.19	43	SE	3	m	30.00	-.28	36	35	-3	SE	3	m	*	48	34	c,8c	*	-
	Biarritz	30.23	59	SE	2	0	30.00	-.34	41	40	-6	S	3	c	3	57	39	-	*	-
	Paris	30.35	32	E	2	0	30.13	-.31	30	29	-2	SE	2	0	*	37	30	-	*	-
	Belfort	30.39	27	ENE	6	f	30.13	-.35	27	27	0	ENE	5	f	*	30	26	-	*	-
	Lyons	30.39	32	N	1	f	30.14	-.35	31	31	-1	SSW	1	f	*	33	31	-	*	-
	Nice	30.26	45	✕	0	8	30.07	-.26	44	36	+1	✕	0	8	3	54	41	-	*	-
	Perpignan ...	30.28	42	✕	0	8	30.05	-.30	39	39	+2	✕	0	f	*	52	36	-	*	-
SPAN. PEN.	Corunna																		*	
	Lisbon																		*	
	Azores (P. Delgada)	30.50	55	N	4	8	30.52	+.14	52	48	-1	N	4	8	*	59	52	-	*	-
	" (Horta) ...	30.54	54	NNW	1	0	30.54	+.14	54	50	+1	WNW	2	8	2	59	50	-	*	-

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

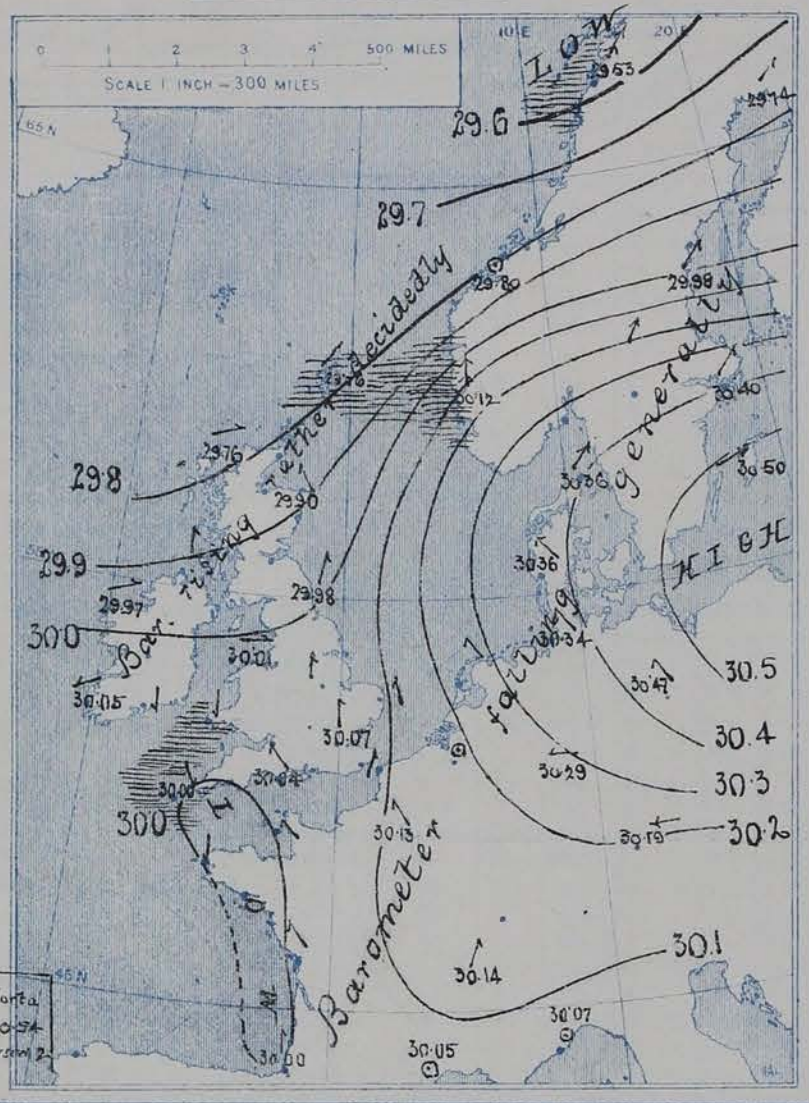
† *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR Wednesday, 23rd December, 1903.

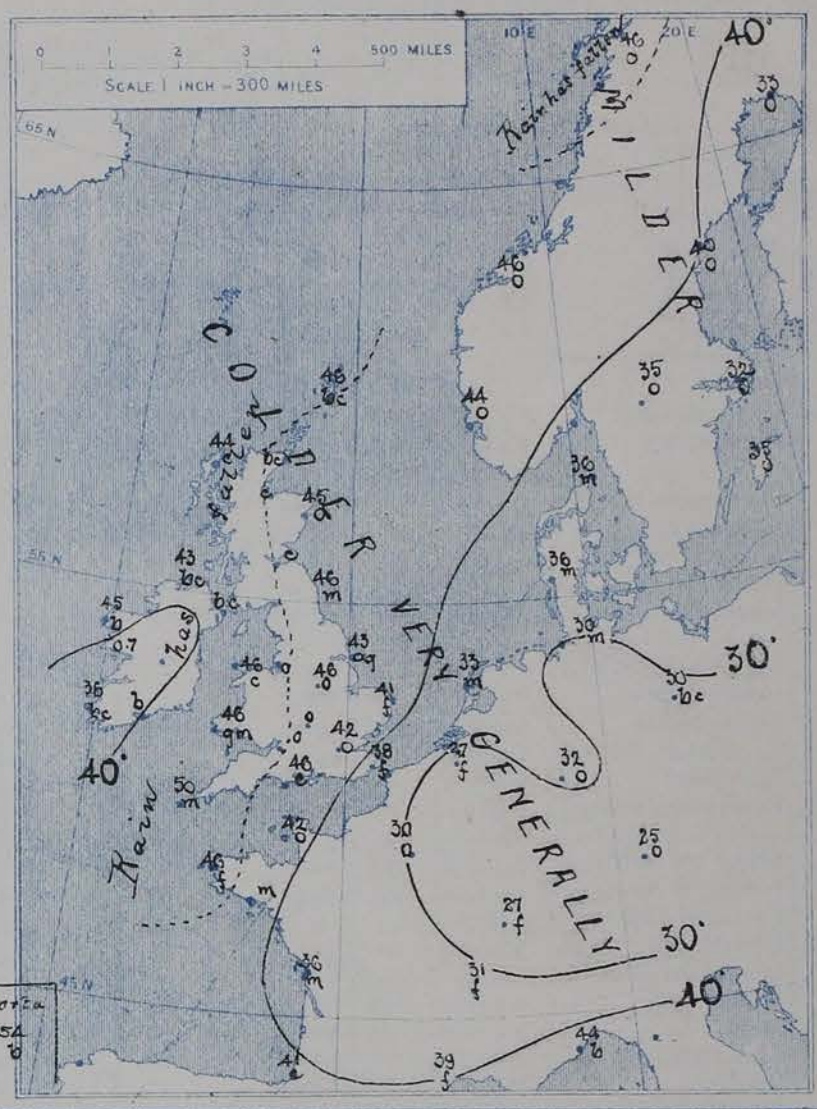
I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.
Force above 10 — *Force 8 to 10* — *Force 5 to 7* — *Force 1 to 4* — } Calm ⊙
SEA.—Rough — *High*



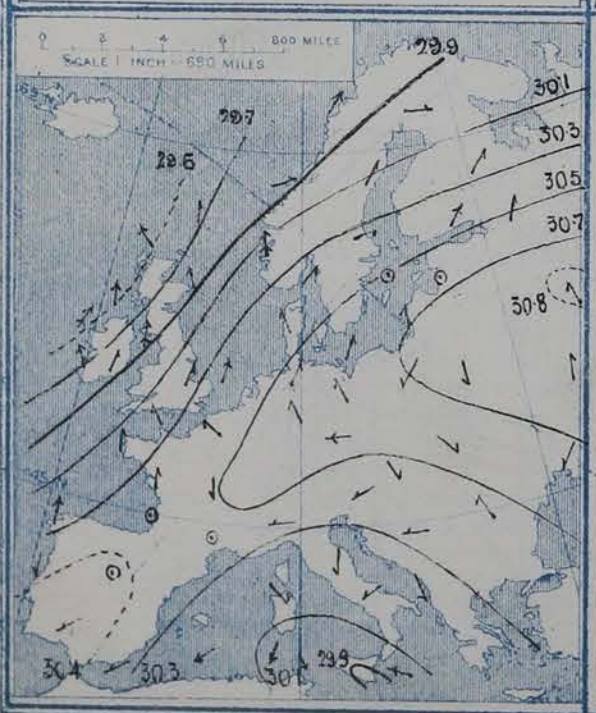
II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°
WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus – 0·6

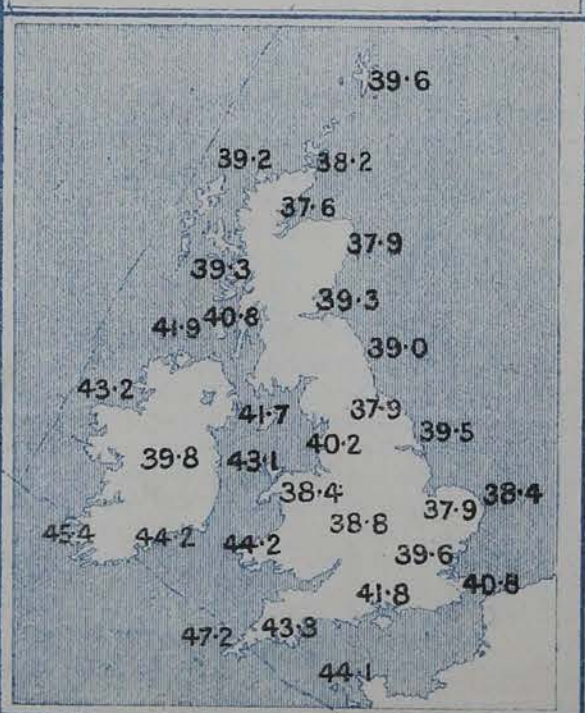


III. BAROMETER AND WIND

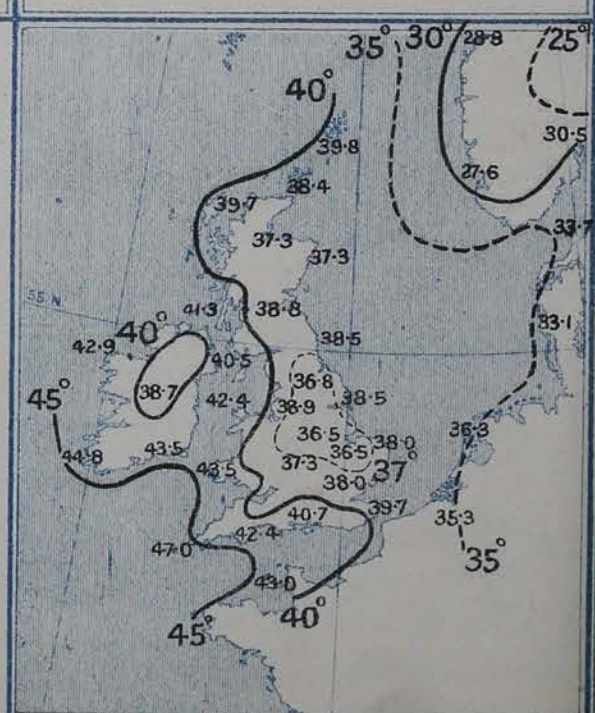
Yesterday morning.



IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMPERATURES *combined for the month of* DECEMBER. *(1871–1900.)*



V. *Means of* DAILY TEMPERATURE *at 8 A.M. for the Two monthly period* DECEMBER–JANUARY *(1871–1900)*



GENERAL SITUATION AT 8 A.M.

PRESSURE

The barometer is still rising over Southern Sweden, Germany and the greater part of France, and is now above 30·6 ins. over Prussia. Over nearly the whole of our Islands, Scandinavia and Denmark it is giving way a little, disturbances being indicated on the ocean off our own western and the Norwegian coasts, the mercury being lowest, about 29·5 ins., near the Hebrides, and about 29·7 ins. on the Arctic Circle. A steep gradient is shown over our Islands and the upper part of the North Sea.

WIND

A moderate S.Ely. gale is reported at Stornoway, but the general direction round our coasts is S'ly., strong to a gale in force at most of the western stations, moderate to fresh on the east coast of Britain, and light inland. Calms and light to moderate breezes from various directions prevail on the Continent, but a strong S.W'ly. wind is blowing at Bodö and a fresh S'ly. gale at Skudesnes.

TEMPERATURE

Temperature has fallen in the west of Ireland, Germany and most parts of France and Denmark, risen elsewhere, decidedly in some localities. The present values range from 45° at Yarmouth and Spurn Head, and 46° at Dungeness to 51° at Stornoway and Holyhead, 52° at Pembroke and Donaghadee, and 54° at Leith; from 20° at Munich and 27° at Belfort to 39° at Bodö, 50° at Lorient and 51° at Brest.

WEATHER AND SEA

In the extreme south of France the sky is cloudless; over the whole of the rest of our area the weather is overcast and dull, with squalls and rain at many of the southwestern and western stations, and at Bodö, and fog over a considerable portion of France, Germany and the Low Countries. A high sea is running in the Minch, and it is rough or rather rough in the west and north, from Pembroke round to Skudesnes.

In many instances the maximum temperatures registered within the past 24 hours occurred during the night or this morning, a large number being as high as 50° to 55°. The bright sunshine records were very small, none at the majority of stations.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no indications of any material modification in the general type of conditions, the Continental anticyclone having further increased in intensity and spread westward, while disturbances are skirting our western coasts going northward. S'ly. to S.W'ly. winds, moderate to a gale, are therefore likely to prevail, with dull, mild weather and some rain.

FORECASTS*

For the 24 hours ending at NOON on 23RD DECEMBER, 1903

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	Same as Nos. 6 to 10.
1 SCOTLAND EAST	S'ly. to S.W'ly. winds, light to fresh or strong; dull, unsettled, some showers. Mild.
2 ENGLAND N.E.	
3 ENGLAND EAST	
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	S'ly. to S.W'ly. winds, fresh to a gale; squally unsettled, some rain. Mild.
7 ENGLAND N.W.	
8 ENGLAND S.W	
9 IRELAND NORTH	
10 IRELAND SOUTH	
WARNINGS	The South Cone is still flying in Districts 0 to 2 and 6 to 10.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone

The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone

* *For terms for transmission of Forecasts by Telegraph; see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.					This Morning 8 a.m.									Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind Direc^n	Wind Force	Weather.	Barometer. Ins.	Barometer. Change	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direc^n	Wind Force	Weather.	Sea.	Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	o	*	45	38	bc, o	0·8	–
Bath	30·23	47	SE	2	o	30·16	–·06	49	48	+7	S	2	o	*	50	42	–	0·0	–

REPORTS FOR YESTERDAY.

STATIONS.	Temperture F. Max.	Temperture F. Min.	Weather.	Sunshine Hrs.	Rainfall. Ins.	STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine Hrs.	Rainfall. Ins.
Southport, to 9 p.m.... ...	45°	36°	o, or, o	0·0	0·22	Broadstairs...	*	*	*		*
Rhyl, to 6 p.m.	*	*	*	0·0	*	Margate	46	35	c	0·0	–
Llandudno...	*	*	*	0·0	*	Lowestoft, to 6 p.m.... ...	43	39	o, c, b	0·0	–
Bettws-y-Coed, to 6 p.m. ...	51	33	o, c, b, od	0·1	*	Skegness	*	*	*	0·0	*
Aberystwyth, to 6 p.m. ...	50	46	c	2·5	–	Scarborough, to 6 p.m. ...	41	*	*	0·0	*
Plymouth, to 9 p.m.... ...	51	44	ou, o, bc	0·1	–	Harrogate, to 6 p.m. ...	41	34	om, c	0·0	–
Worthing	*	*	*	0·1	*	Manchester, to 9 p.m. ...	47	36	o, bc	0·0	–
Brighton	48	*	*	0·0	*	Darwen, to 9 p.m.	43	33	om, or	0·0	0·03
Eastbourne, to 6 p.m. ...	47	*	*	0·5	*	Birmingham, to 9 p.m. ...	45	34	m, o	0·0	–
Hastings	*	*	*	0·5	*						

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 21st Decr, 1903.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	STATIONS.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.
Copenhagen	36	34	r, m	0·04	Algiers	61	48	o, r	0·71
Utrecht...	32	30	m, f	—	Tunis	59	45	bc, o	—
Groningen	34	30	o, m	0·04	Madeira (Funchal) Not recd.				
Vienna	39	36	o, o	—	20th Decr. Not received.	1 p.m.	*	1 p.m.	Measured 7 a.m.
Marseilles	61	48	o, b	—	Geneva		*		
Florence	56	37	b, b	—	Berne		*		
Rome	59	46	bc, o	—	Coire		*		
Naples	59	51	c, o	—	Castasegna		*		
Palermo	64	46	bc, o	—	Lugano		*		
Malta	64	54	?, o	—	Davos		*		

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.‡ (W.E.T.)	6 p.m.
Holland	8 a.m. („ „)	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores { Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

22nd Decr, 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	8.5	11.52	3.39
Greenwich	8.6	11.59	3.52
Wick	9.4	12.11	3.18
Valencia	8.50	12.40	4.30

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
„ Weekly „ „ „ £1 10 0 „ Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Thursday, 24th DECEMBER, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, *Victoria Street, London.* W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M. S. L. Ins.	Barometer. Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Temperature. Change since Yesterday. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Temp. Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29·65	35	SW	4	b	29·84	+·10	36	32	+3	W	4	b	*	36	30	—	*	—
	Hernösand ...	30·03	39	Z	0	b	30·10	+·12	34	33	−6	Z	0	b	*	41	34	—	*	—
	Stockholm ...	30·36	29	SW	2	0	30·27	−·13	30	28	−2	SW	4	0	*	36	28	—	*	—
	Wisby	30·42	33	SSW	2	0	30·37	−·13	33	32	−2	E	2	0	*	39	32	—	*	—
	Karlstad	30·33	33	SSW	4	0	30·26	−·13	31	30	−4	SSW	2	0	*	*	*	—	*	—
	Færder (X'iania Fjord)																		*	
	Bodö	29.56	43	SW	9	r	30·02	+·49	36	32	−10	N	4	b	2	46	34	—	*	0·20
	Christiansund ...	29·90	47	WSW	4	c	30·08	+·28	43	41	−3	W	1	0	4	47	43	—	*	0·04
	Skudesnaes ...	30·16	41	S	8	0	30·12	·00	38	36	−6	S	4	0	4	45	37	0	*	*
BRITISH ISLANDS.	Sumburgh Head	29·90	45	SW	3	0	30·01	+·25	36	36	−10	NW	1	0	4	46	36	c, 0	*	0·06
	Stornoway ...	29·95	49	WSW	2	c	30·06	+·30	37	36	−7	W	2	bc	2	49	33	c	0·4	—
	Malin Head ...	30·01	44	WSW	3	b	30·04	+·13	43	41	0	N	2	b	2	45	40	b	*	0·03
	Blacksod Pt. ...	30·04	41	WNW	2	b	30·11	+·14	40	39	−5	NW	1	bm	2	47	37	bc, b	*	0·05
	Valencia	30·07	37	Z	0	bm	30·11	+·06	37	37	+1	Z	0	0	4	46	35	bcm, bm	4·5	0·01
	Roche's Point ...	30·07	41	N	1	b	30·07	+·01	43	42	+4	NNW	3	bm	1	44	36	c, b	*	0·02
	Parsonstown ...	30·07	38	E	2	c	30·08	+·04	37	36	+3	E	1	b	*	44	34	—	4·6	—
	Donaghadee ...	30·05	37	Z	0	b	30·02	+·03	43	42	0	WNW	1	c	1	44	36	bm	*	—
	Liverpool Obsy.	30·02	43	NNW	1	0	29·97	−·07	40	39	−5	N	1	bc	1	46	40	—	*	—
	Holyhead ...	30·03	46	N	2	b	29·99	−·02	46	44	0	NE	3	bc	2	47	44	0, b	*	—
	Pembroke (St. Ann's)	29·99	46	NNE	3	c	29·98	−·04	42	40	−4	NNE	3	bc	2	48	42	c, b	0·0	0·01
	Scilly (St. Mary's)...	29·95	51	NNE	4	r	29·97	−·03	48	46	−2	NNE	5	cp	5	53	46	0, r	0·0	0·49
	Jersey (St. Aubins)...	29·91	42	ENE	3	om	29·94	−·09	39	38	−3	E	2	of	2	44	38	om, g	0·0	—
	Portland Bill ...	29·94	43	E	1	om	29·94	−·10	42	42	−4	ENE	1	a	1	47	40	c, om	*	0·01
	Dungeness ...	29·93	39	E	2	m	29·89	−·20	38	37	0	N	2	0	2	41	36	m	0·0	—
	Wick	29·94	43	S	2	bc	30·01	+·22	35	34	−9	NW	2	bc	1	47	33	—	*	0·02
	Nairn	29·98	38	SW	1	bc	30·04	+·22	36	35	−7	Z	0	0	1	45	33	—	*	0·03
	Aberdeen ...	30·01	37	NW	3	b	30·02	+·12	37	36	−8	WNW	3	b	2	45	33	o, bm, p	0·0	0·03
	Leith	30·01	42	WSW	1	c	30·00	+·08	39	38	−9	WSW	1	om	*	48	35	—	*	—
	North Shields ...	29·99	45	SSW	1	m	29·93	−·05	43	43	−3	E	1	0	2	48	38	m, r	*	0·04
GERMANY, &c.	Spurn Head ...	29·98	41	E	4	f	29·90	−·15	40	39	−3	NE	4	0	3	44	38	f	*	—
	Yarmouth ...	29·95	42	ENE	3	bc	29·85	−·24	36	34	−5	NNE	3	cg	3	42	35	b, bc	*	—
	Nottingham ...	29·99	45	ENE	1	0	29·92	−·12	40	40	−6	ENE	1	r	*	48	40	0	0·0	0·02
	Oxford	29·96	39	NE	1	0	29·93	−·15	40	40	−5	NW	1	odf	*	46	38	od	*	0·01
	London (Brixton)...	29·94	39	NE	1	0	29·89	−·18	40	39	−2	NNW	1	om	*	43	37	om, f, o	0·0	—
	The Scaw (Skagen)	30·29	35	S	4	m	30·18	−·18	35	34	−1	SE	3	m	1	37	34	—	*	—
	Fanö	30·16	31	SE	4	b	30·02	−·34	33	32	+3	E	3	0	*	?	30	—	*	—
	Cuxhaven ...	30·15	32	SE	4	b	29·94	−·40	33	33	+3	ESE	3	0	*	34	30	—	*	—
	The Helder ...	29·97	30	ESE	2	0	29·87	−·31	32	32	−1	E	1	0	0	34	28	—	*	—
	Brussels	*	*	*	*	*	29·92	−·25	30	30	+3	Z	0	m	*	32	26	—	*	—
	Berlin	30·22	32	ESE	4	bc	30·04	−·43	33	32	+3	SE	3	b	*	36	30	—	*	—
	Frankfürt ...	29·97	34	E	3	b	29·97	−·32	32	32	0	SE	1	0	*	37	30	—	*	—
	Munich	29·98	25	W	3	0	30·00	−·19	17	17	−8	Z	0	c	*	27	17	—	*	—
FRANCE.	C. Gris Nez ...	29·98	32	SSE	1	m	29·87	−·19	38	35	+3	NNE	4	0	4	?	32	—	*	—
	Brest	29·88	45	Z	0	r	29·92	−·07	41	41	−5	Z	0	0	5	52	41	—	*	0·43
	Lorient	29·89	40	SE	3	m	29·93	−·04	39	38	−4	ENE	3	0	5	43	32	—	*	—
	Rochefort ...	29·86	40	SE	2	m	29·84	−·16	37	37	+1	NNW	3	0	*	41	34	m	*	—
	Biarritz	29·88	49	SW	2	0	29·84	−·16	46	45	+5	SW	4	r	4	52	41	—	*	0·28
	Paris	29·95	31	ENE	2	0	29·95	−·18	30	29	0	N	2	0	*	32	30	—	*	—
	Belfort	29·96	27	ENE	2	m	29·93	−·20	29	28	+2	E	2	0	*	30	25	—	*	—
	Lyons	29·98	33	NW	1	b	29·98	−·16	33	?	+2	NW	1	0	*	?	?	—	*	?
	Nice	30·02	43	E	1	b	29·99	−·08	39	35	−5	Z	0	0	4	54	37	—	*	—
	Perpignan ...	29·89	37	Z	0	b	29·84	−·21	44	43	+5	W	1	r	*	55	37	—	*	0·04
SPAN. PEN.	Corunna																		*	
	Lisbon	30·10	46	NNW	4	b	30·10	·00	46	44	−3	NNW	3	b	*	52	45	—	*	0·08
	Azores (P. Delgada)	30·48	55	NNE	2	bc	30·40	−·12	53	49	+1	N	3	b	2	61	52	—	*	—
	" (Horta) ...	30·48	53	Z	0	b	30·38	−·16	59	52	+5	SW	4	0	2	61	52	—	*	—

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

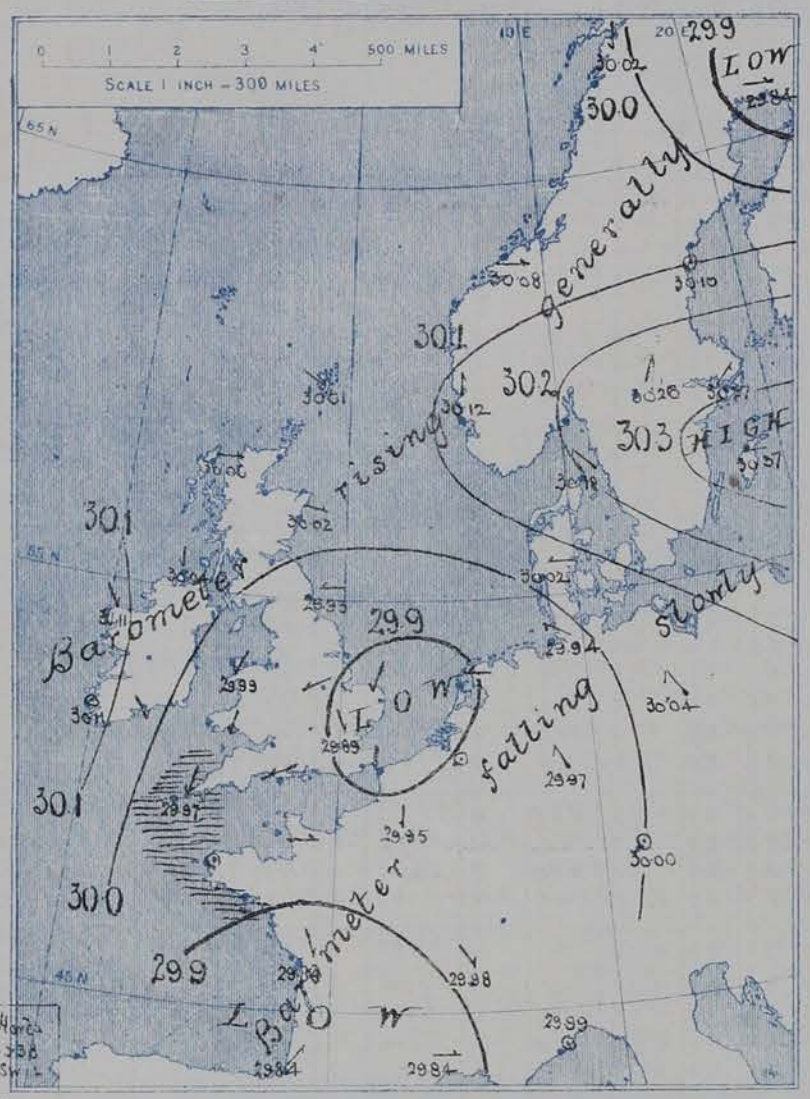
† *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR Thursday, 24th December, 1903.

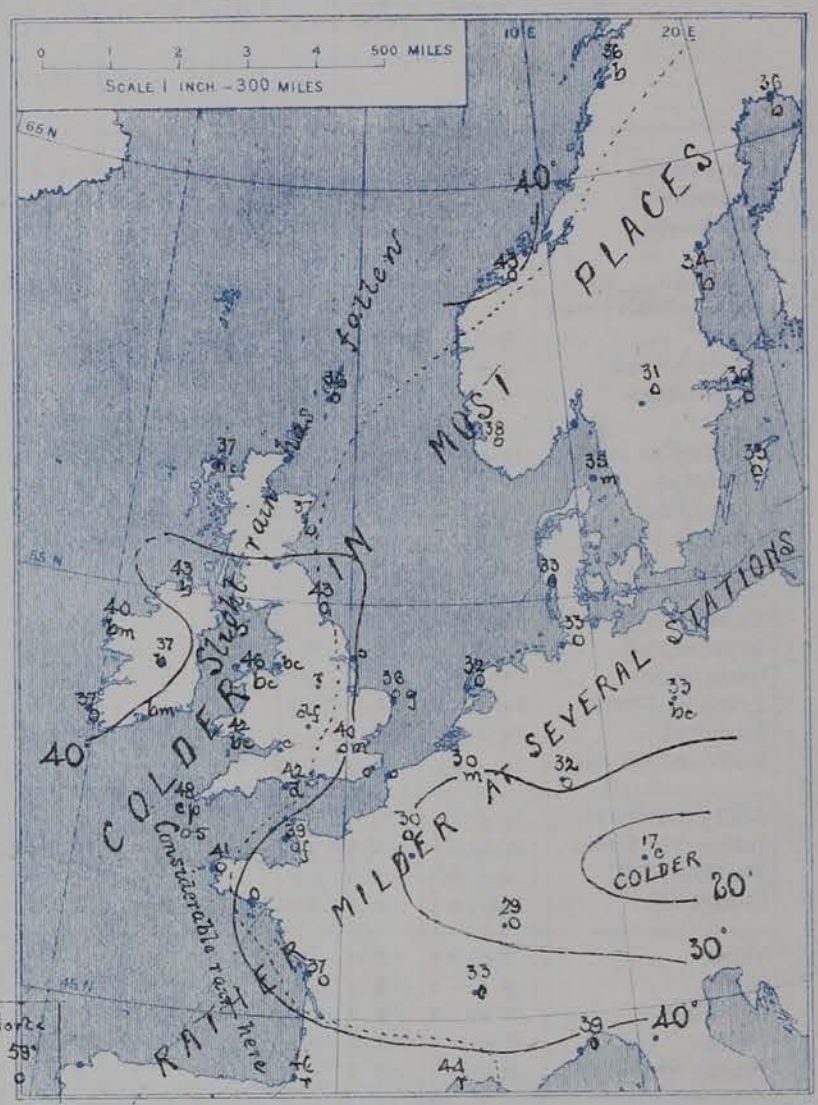
I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.
Force above 10 — *Force 8 to 10* — *Force 5 to 7* — *Force 1 to 4* — } Calm ⊙
SEA.—Rough — *High*



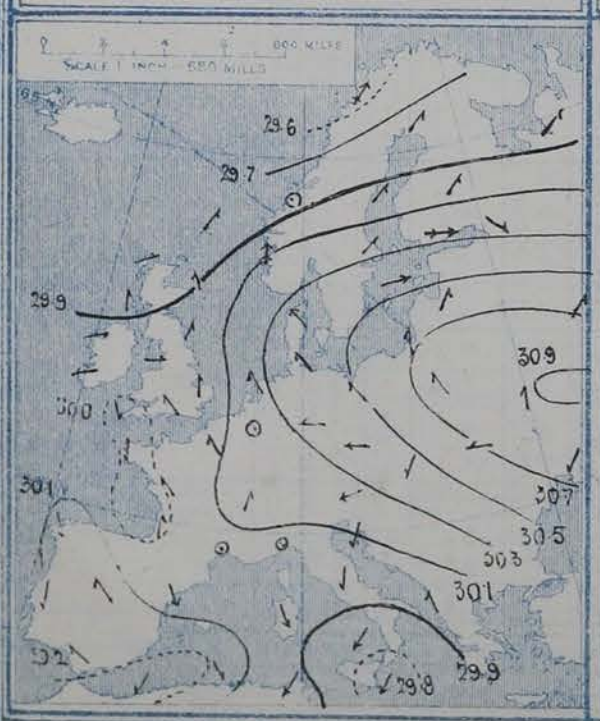
II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°
WEATHER.—Shown by Letters of the Beaufort Scale. *(See P. 4.)*
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus - 0·6

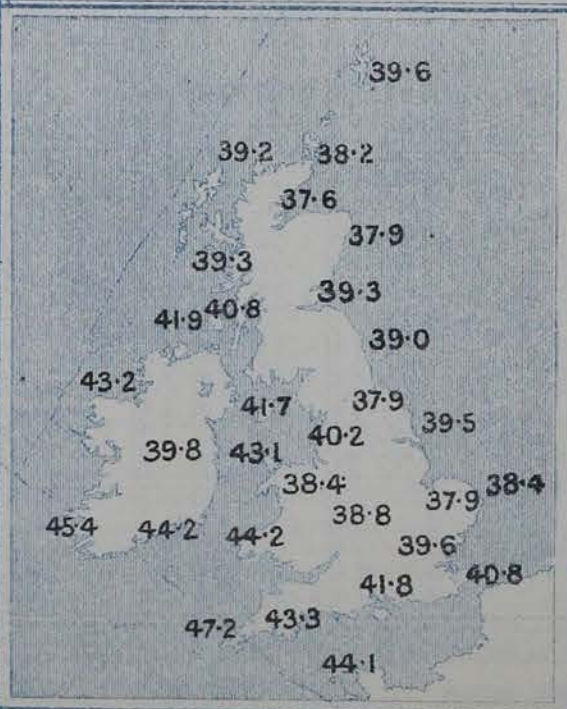


III. BAROMETER AND WIND

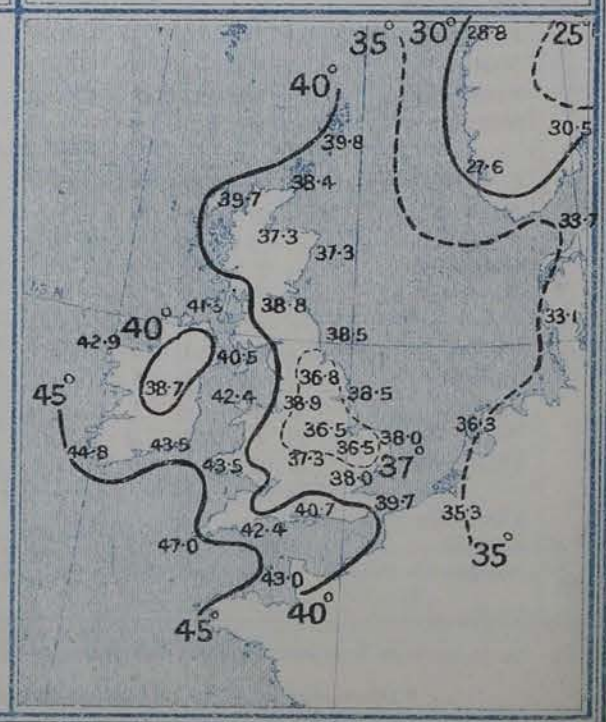
Yesterday morning.



IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMPERATURES *combined for the month of* DECEMBER. *(1871-1900.)*



V. *Means of* DAILY TEMPERATURE *at 8 A.M. for the Two monthly period* DECEMBER-JANUARY *(1871-1900)*



GENERAL SITUATION AT 8 A.M.

PRESSURE

The barometer has risen rather decidedly at our western and northern stations in the night, the disturbance of yesterday disappearing to northward. Over the whole of the rest of our area pressure has given way, especially over France and Germany, the anticyclone having receded eastward. In the region between the rising and the falling barometer a shallow depression has formed across the mouth of the English Channel and down the Bay of Biscay. The gradient is now slight over our Islands, rather steep over Scandinavia, 29·5 ins. at Bodö to 30·5 ins. at Wisby.

WIND

The wind has dropped to a moderate or very light air in all parts of the Kingdom, from between S. and W. in the northern districts, S. or S.E. in the southeastern, and N. on the southwestern coasts. From the west coast of France round to Denmark a S.E ly. to Ely. current prevails, blowing fresh or strong in the Vosges, Bavaria and Denmark. Over Scandinavia the direction is S.W., strong in places, a fresh gale at Bodö and Skudesnaes.

TEMPERATURE

Temperature has fallen all over the British Isles and at the majority of the foreign stations, the values ranging from 34° at Parsonstown and 36° at Valencia to 48° at Leith and 50° at Scilly; from 25° at Munich and 27° at Belfort to 44° at Nice and 46° at Brest.

WEATHER AND SEA

Fair or fine weather has become general over Ireland and North Britain, but over the southern half of England it is dull to gloomy, with mist or fog in places. At Berlin, Nice and Cape Gris Nez the sky is cloudless, dulness prevailing over the rest of the Continent, with mist or fog at many stations in France and the Low Countries. The sea is rather rough off the Shetlands and on the Norwegian coast, and a heavy groundswell from between south and west reported on our southwest coasts.

During yesterday temperature rose to 56° at Aberystwyth, 55° at Bettws-y-Coed and Leith, and to 50° and upwards in many other localities, but only to 46° at Yarmouth. There was little or no bright sunshine. At Blacksod Point 0·7 in. of rain fell.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The distribution of pressure has now assumed a generally unsettled type. The shallow depression at the mouth of the Channel will probably move N^ds or N.E^wds across England, and the conditions favour the appearance of other disturbances from the Atlantic, following a S.E ly. course past our southwestern coasts, with very changeable weather and lower temperatures.

FORECASTS*

For the 24 hours ending at NOON on 24TH DECEMBER, 1903

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	S.W ly. to N ly. breezes, light or moderate; fair to unsettled, some rain or snow; Colder.
1 SCOTLAND EAST	
2 ENGLAND N.E.	S ly. to variable breezes, light or moderate; dull, changeable, some rain or snow. Colder.
3 ENGLAND EAST	S.E ly. or S ly. breezes, light; changeable; dull to foggy, some rain. Colder.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	Same as Nos. 0 and 1.
7 ENGLAND N.W.	Same as No. 2.
8 ENGLAND S.W	N ly. breezes, light or moderate; dull, unsettled, some cold rain or sleet.
9 IRELAND NORTH	Same as Nos. 0 and 1.
10 IRELAND SOUTH	Same as No. 8.
WARNINGS	The South Cone is still flying in Dists. 0 to 2 and 6 to 10.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.					This Morning 8 a.m.									Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind Direct.	Wind Force	Weather.	Barometer. Ins.	Barometer. Change	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direct.	Wind Force	Weather.	Sea.	Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	om	*	45	39	o, b	0·5	—
Bath	30·08	46	W	3	o	30·05	−·11	46	46	−3	×	0	c	*	50	46	—	0·0	0·07

REPORTS FOR YESTERDAY.

STATIONS.	Temperture F. Max.	Temperture F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.
Southport, to 9 p.m.... ...	51	45	o, o p	0·0	—	Broadstairs...	*	*	*		*
Rhyl, to 6 p.m.	*	*	*	0·0	*	Margate	47	42	c	0·0	—
Llandudno...	*	*	*	0·0	*	Lowestoft, to 6 p.m.... ...					
Bettws-y-Coed, to 6 p.m. ...	55	49	r, c, o d	0·0	*	Skegness	*	*	*	0·0	*
Aberystwyth, to 6 p.m. ...	56	50	r, c	0·0	0·09	Scarborough, to 6 p.m. ...	48	*	*	0·0	*
Plymouth, to 9 p.m.... ...	52	51	o, o d p	0·0	0·01	Harrogate, to 6 p.m. ...	49	39	c, o, c	0·0	—
Worthing	*	*	*	1·1	*	Manchester, to 9 p.m. ...	51	45	o, p	0·0	—
Brighton	49	*	*	0·2	*	Darwen, to 9 p.m.	47	41	op, om	0·0	0·02
Eastbourne, to 6 p.m. ...	49	*	*	1·0	*	Birmingham, to 9 p.m. ...	48	43	o, d	0·0	0·10

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 22nd Decr. 1903.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	STATIONS.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.
Copenhagen	37	34	m, m	—	Algiers	66	54	r, r	0·04
Utrecht...	37	30	b, f	—	Tunis	59	50	o, f	—
Groningen	36	28	c, f	—	Madeira (Funchal) Not recd.				
Vienna	37	32	o, o	—	21st December.	1 p.m.	×	1 p.m.	Measured 7 a.m.
Marseilles	59	49	b, m	—	Geneva	34	*	f	—
Florence	54	40	b, b	—	Berne	28	*	f	—
Rome	58	44	b, c	—	Coire	36	*	b	—
Naples	58	50	b, o	—	Castasegna	36	*	b	—
Palermo	63	52	o, r	0·04	Lugano	43	*	b	—
Malta	62	55	?, o	0·04	Davos	28	*	b	—

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.‡ (W.E.T.)	6 p.m.
Holland	8 a.m. (" ")	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores { Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

23rd Decr. 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	8.5	11.52	3.39
Greenwich	8.6	11.59	3.52
Wick	9.4	12.11	3.18
Valencia	8.50	12.40	4.30

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly , " " £1 10 0 " Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1. ‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Friday, 25TH DECEMBER, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins.	Barometer. Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Temperature. Change since Yesterday. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Temp. Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	30·27	14	N	2	b	30·24	+·40	17	17	−19	SE	2	0	*	36	14	—	*	—
	Hernösand ...	30·17	32	Z	0	0	30·15	+·05	31	30	−3	Z	0	0	*	39	28	—	*	—
	Stockholm ...	30·20	31	W	2	0	30·16	−·11	33	32	+3	Z	0	0	*	33	28	—	*	—
	Wisby	30·22	48	Z	0	0	30·19	−·18	34	?	+1	Z	0	0	*	37	32	—	*	—
	Karlstad	30·19	30	NNE	2	0	30·17	−·09	28	28	−3	NE	2	0	*	*	*	o, f	*	—
	Færder (X'iania Fjord)																		*	
	Bodö	30·18	28	N	2	b	30·08	+·06	31	30	−5	E	2	0	2	36	27	—	*	—
	Christiansund ...	30·10	41	W	2	0	30·21	+·13	39	37	−4	E	4	c	4	43	39	—	*	0·08
	Skudesnaes ...	30·11	37	E	2	c	30·10	−·02	35	35	−3	Z	0	bc	2	39	34	o, c	*	*
BRITISH ISLANDS.	Sumburgh Head	30·02	37	Z	0	b	30·10	+·09	36	34	0	NNE	1	bc	3	39	34	bc, b	*	0·01
	Stornoway ...	30·05	35	N	1	bc	30·12	+·06	34	33	−3	N	1	b	1	40	31	b, bc	2·9	—
	Malin Head ...	30·07	43	NNW	3	bc	30·13	+·09	41	39	−2	NNW	1	bcp	2	44	39	bc	*	0·03
	Blacksod Pt. ...	30·09	41	Z	0	0	30·12	+·01	42	41	+2	SSE	3	b	2	45	36	bp, o	*	0·03
	Valencia	30·13	42	NE	1	b	30·15	+·04	37	36	0	Z	0	bc	3	48	35	b	6·4	0·03
	Roche's Point ...	30·11	44	N	3	c	30·16	+·09	37	37	−6	NE	1	b	1	45	36	o, c	*	0·02
	Parsonstown ...	30·13	41	W	1	0	30·11	+·03	35	34	−2	S	1	of	*	43	32	op	0·0	0·01
	Donaghadee ...	30·05	42	N	2	r	30·13	+·11	42	40	−1	W	2	c	2	46	40	r	*	0·03
	Liverpool Obsy.	30·01	42	NNW	1	0	30·11	+·14	38	36	−2	N	1	bc	?	43	38	—	*	—
	Holyhead ...	30·03	45	NNE	2	c	30·11	+·12	44	41	−2	NE	2	c	1	47	41	bc, c	*	—
	Pembroke (St. Ann's)	30·01	45	N	4	bc	30·11	+·13	42	41	0	N	2	cgmd	3	47	40	—	2·7	0·02
	Scilly (St. Mary's)...	30·05	48	NNW	4	c	30·10	+·13	48	45	0	NNW	4	c	4	50	45	c	5·5	—
	Jersey (St. Aubins)...	30·00	40	ENE	2	om	30·06	+·12	42	41	+3	NE	2	cgm	2	44	39	om, bcp	1·8	0·01
	Portland Bill ...	29·99	44	NNW	3	bc	30·06	+·12	41	39	−1	N	3	cm	2	45	38	o, bc	*	—
	Dungeness ...	29·95	36	N	1	0	30·02	+·13	37	36	−1	NNW	1	f	0	38	36	o	0·0	—
	Wick	30·03	35	NW	1	c	30·07	+·06	35	34	0	Z	0	o	1	38	30	—	*	0·03
	Nairn	30·07	37	W	1	c	30·12	+·08	32	31	−4	W	1	c	1	39	27	—	*	0·01
	Aberdeen ...	30·04	36	NW	3	b	30·13	+·11	36	34	−1	WNW	4	c	2	41	33	c, b	0·0	—
	Leith	30·03	41	W	1	0	30·12	+·12	33	33	−6	W	1	cm	*	41	31	op	*	0·02
	North Shields ...	29·94	42	NE	2	r	30·07	+·14	40	39	−3	NNW	1	o	2	44	39	r, p	*	0·18
GERMANY, &c.	Spurn Head ...	29·94	39	NW	3	0	30·02	+·12	39	38	−1	N	3	ov	3	44	37	—	*	—
	Yarmouth ...	29·90	37	N	3	c	29·96	+·11	38	36	+2	WNW	3	cgf	5	38	35	o, cm	*	0·02
	Nottingham ...	29·97	39	N	1	0	30·05	+·13	39	38	−1	N	1	c	*	44	37	r, o	0·0	0·02
	Oxford	30·02	37	N	1	0	30·07	+·14	38	37	−2	NNW	1	o	*	41	37	opd	*	0·02
	London (Brixton)...	29·96	39	NNE	2	0	30·04	+·15	39	37	−1	N	1	og	*	43	36	ogm, o	0·0	—
	The Scaw (Skagen)	30·10	35	SE	3	r	30·08	−·10	37	36	+2	SE	3	m	1	39	32	—	*	0·04
	Fanö	29·98	32	E	2	r	29·99	−·03	32	32	−1	E	2	m	*	36	32	—	*	—
	Cuxhaven ...	29·92	33	S	2	0	29·98	+·04	32	31	−1	S	1	0	*	34	32	—	*	—
	The Helder ...	29·90	31	S	1	0	29·93	+·06	32	32	0	S	1	0	0	32	30	—	*	—
	Brussels	*	*	*	*	*	30·02	+·10	31	31	+1	SW	1	0	*	32	29	—	*	—
	Berlin	30·03	33	SE	1	0	30·04	·00	29	28	−4	SSE	2	b	*	39	28	—	*	—
	Frankfürt ...	29·93	34	Z	0	0	30·02	+·05	33	32	+1	NE	3	0	*	36	30	—	*	—
	Munich	29·99	18	E	2	b	29·96	−·04	13	13	−4	E	3	f	*	25	12	—	*	—
FRANCE.	C. Gris Nez ...	29·90	37	N	4	0	30·00	+·13	40	38	+2	NNW	4	0	4	41	37	—	*	—
	Brest	30·02	46	N	1	c	30·09	+·17	43	41	+2	NE	1	bc	2	48	41	—	*	—
	Lorient	30·02	41	ENE	1	0	30·07	+·14	43	42	+4	NE	3	o	2	43	39	—	*	—
	Rochefort ...	29·95	38	NNE	3	0	30·06	+·22	31	30	−6	NNW	3	m	*	39	30	o	*	—
	Biarritz	29·92	49	WNW	2	r	30·04	+·20	46	46	0	S	2	r	2	52	43	—	*	0·55
	Paris	29·94	30	SSW	2	0	30·03	+·08	32	32	+2	E	1	o	*	34	30	—	*	—
	Belfort	29·93	34	E	2	m	29·93	·00	30	29	+1	ENE	2	m	*	37	29	—	*	—
	Lyons	29·96	37	WNW	1	0	30·01	+·03	36	35	+3	N	1	f	*	42	33	—	*	—
	Nice	29·88	43	ENE	1	bc	29·84	−·15	40	35	+1	ENE	1	o	2	46	39	—	*	—
	Perpignan ...	29·88	44	Z	0	r	29·94	+·10	45	42	+1	NW	2	b	*	49	40	—	*	0·39
SPAN. PEN.	Corunna																		*	
	Lisbon	30·03	45	NNE	4	0	30·07	−·03	42	40	−4	N	4	b	*	54	42	—	*	—
	Azores (P. Delgada)	30·29	58	SSW	4	bc	30·14	−·26	59	57	+6	SSW	5	o	5	61	53	—	*	—
	,, (Horta) ...	30·21	61	SSW	5	0	29·99	−·39	62	59	+3	SSW	6	o	4	63	59	—	*	—

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

† *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR FRIDAY, 25th DECEMBER, 1903.

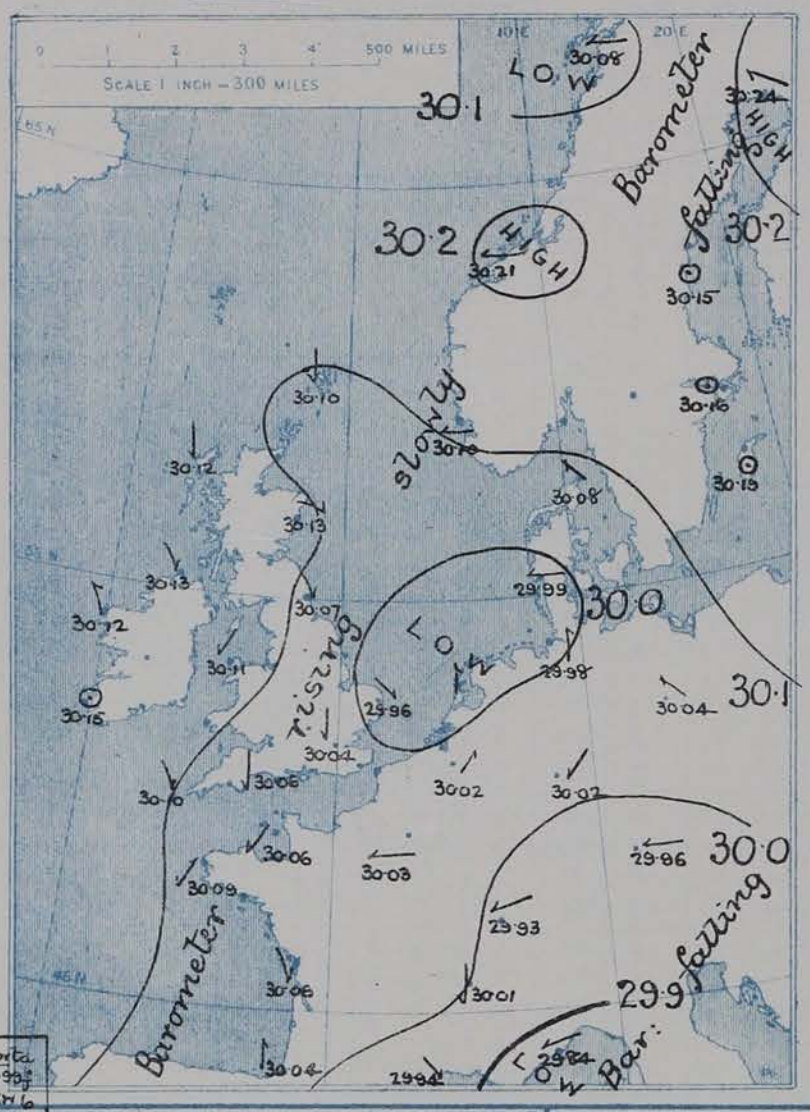
I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 — *Force 8 to 10* — *Force 5 to 7* — *Force 1 to 4* — Calm ⊙

SEA.—Rough — *High*

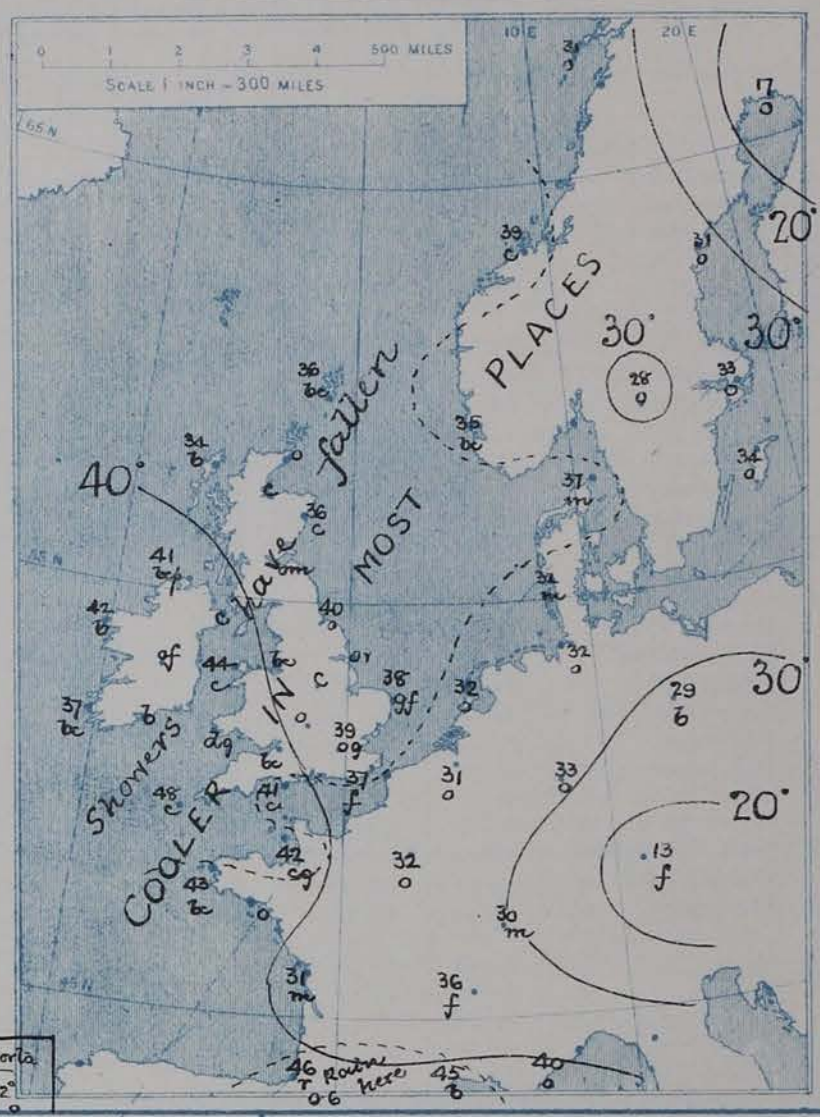


II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°

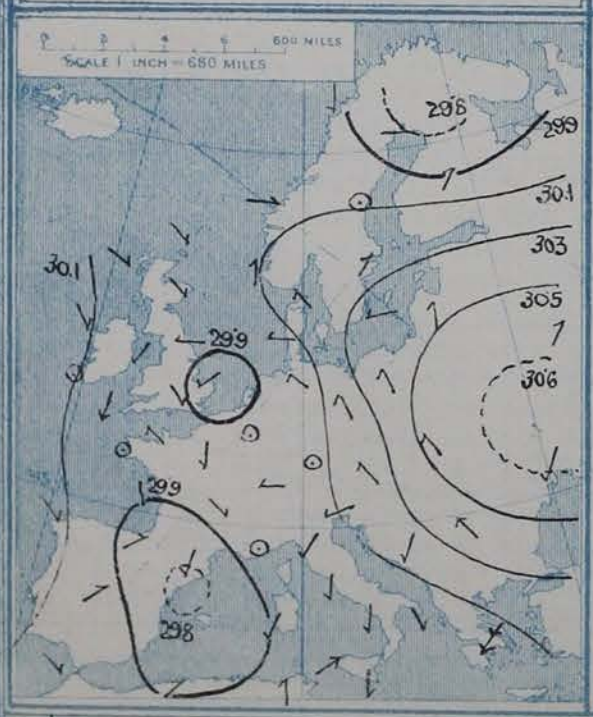
WEATHER.—Shown by Letters of the Beaufort Scale. *(See P. 4.)*

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus - 0·6

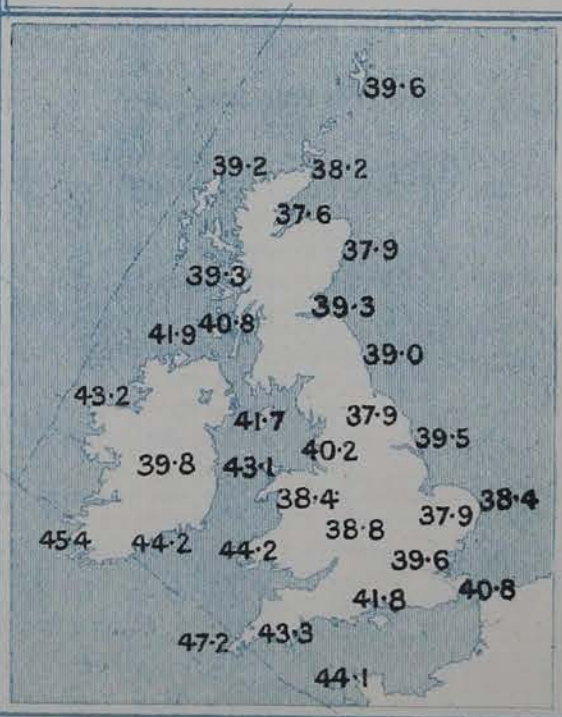


III. BAROMETER AND WIND

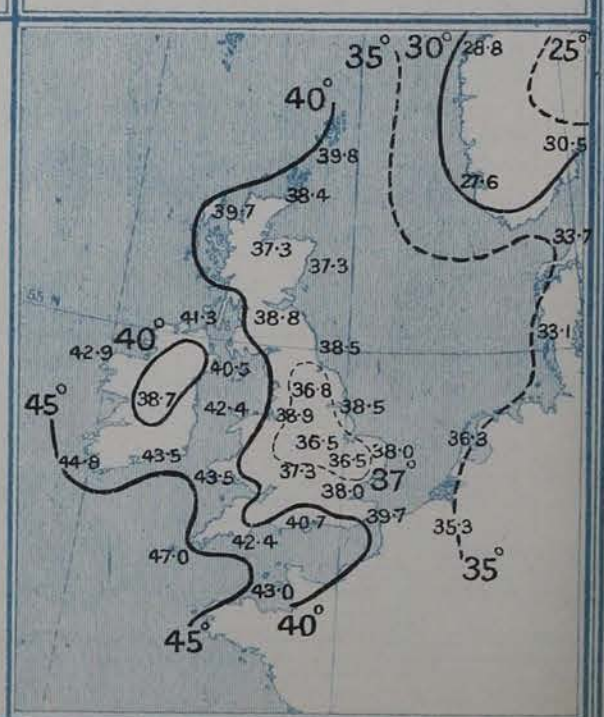
Yesterday morning.



IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMPERATURES *combined for the month of* DECEMBER. *(1871-1900.)*



V. *Means of* DAILY TEMPERATURE *at 8 A.M. for the Two monthly period* DECEMBER-JANUARY *(1871-1900)*



GENERAL SITUATION AT 8 A.M.

PRESSURE

The distribution of pressure over the area under observation is rather complex. The barometer is highest on the Baltic, above 30·3 ins, the anticyclone withdrawing to Russia; above 30·1 ins on the Irish coast in another anticyclone spreading in slowly from the Atlantic. There are three low pressure systems in which the barometer is at about the same level, nearly 29·8 ins. One is centred over Lapland, the second over the southern extremity of the North Sea, and the third on the lower portion of the Bay of Biscay. The gradients are slight everywhere.

WIND TEMPERATURE WEATHER AND SEA

A very light N.ly to NW.ly breeze is reported over Scotland, the direction over the remainder of the kingdom being from between NW. and NE, blowing a fresh breeze at Scilly and a moderate breeze at Spurn Head, gentle to very faint at all other stations. Calms and light breezes from all quarters prevail over continental countries. Temperature has risen a little over the south of Ireland and at some of the foreign stations, but has fallen in most places. The present readings range from 35° at Wick and 36° at Sumburgh Head, Nairn, and Yarmouth, to 46° at Holyhead and 48° at Scilly; from 17° at Munich and 29° at Belfort to 44° at Perpignan and 46° at Biarritz. The weather is fair or fine at most of our western and northern stations, dull over the south and east of England, with showers in places. The sky is cloudless at Lyons, Berlin and over northern Scandinavia, dull at all other foreign stations, with rain at Biarritz and Perpignan. A rather rough sea is running at the mouth of the English Channel and on the upper part of the Bay of Biscay, moderate to smooth on other coasts.

During yesterday temperature rose to 53° at Bettws-y-coed and Scilly, and to 49° at Harrogate, Southport and Stornoway, but only to 42° at Margate and Yarmouth, and 41° at Dungeness. There was considerable sunshine in Ireland, 4½ hours, less than half an hour in the Hebrides, none anywhere else.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

With the passing away of the shallow depression in the south-east the western anticyclone will probably spread all over our Islands and become the dominant factor for the next few days, with light N.ly to variable breezes, colder, some local showers of rain or snow, but generally fair weather.

NOTICE. The Daily Weather Reports for to morrow (Christmas Day) and Saturday will be issued on Monday, the 28th inst.; that for Sunday, as usual, on Tuesday.

FORECASTS*

For the 24 hours ending at NOON on 25 December, 1903

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	Light W.ly to N.ly breezes; fine or fair generally. Colder.
2 ENGLAND N.E. 3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	Moderate to light NE.ly to NW.ly breezes; dull to fair; local showers. Colder.
6 SCOTLAND WEST	Same as Nos 0 and 1
7 ENGLAND N.W. 8 ENGLAND S.W 9 IRELAND NORTH 10 IRELAND SOUTH	Light N.ly breezes: fair or fine generally, local showers. Colder.
WARNINGS	At 7.30 p.m. yesterday to Districts 3, 5, and part of 8 "HOIST NORTH CONE"

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.) Should it appear likely that a gale beginning from between W and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.) Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.					This Morning 8 a.m.									Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind Direc^n	Wind Force	Weather.	Barometer. Ins.	Barometer. Change	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direc^n	Wind Force	Weather.	Sea.	Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	ow	*	40	35	f, c	0·0	—
Bath	29·95	45	NW	1	bc	29·93	−·12	43	42	−3	NE	1	c	*	48	42	—	0·0	—

REPORTS FOR YESTERDAY.

STATIONS.	Temperture F. Max.	Temperture F. Min.	Weather.	Sunshine Hrs.	Rainfall. Ins.	STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine Hrs.	Rainfall. Ins.
Southport, to 9 p.m.... ...	49	42	o, or	0·0	0·06	Broadstairs...	*	*	*		*
Rhyl, to 6 p.m.	*	*	*	0·0	*	Margate	42			0·0	
Llandudno...	*	*	*	0·0	*	Lowestoft, to 6 p.m.... ...					
Bettws-y-Coed, to 6 p.m....	53		*	0·0	*	Skegness	*	*	*	0·0	*
Aberystwyth, to 6 p.m. ...						Scarborough, to 6 p.m. ...	47			0·0	
Plymouth, to 9 p.m.... ...						Harrogate, to 6 p.m. ...	49	44	o, c, f	0·0	—
Worthing	*	*	*	0·0	*	Manchester, to 9 p.m. ...					
Brighton	46	*	*	0·0	*	Darwen, to 9 p.m.					
Eastbourne, to 6 p.m. ...	47	*	*	0·0	*	Birmingham, to 9 p.m. ...					
Hastings		*	*	0·0	*						

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 23rd Decr, 1903.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	STATIONS.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.
Copenhagen	36	30	o, o	—	Algiers	59	54	o, o	0·24
Utrecht...	34	25	b, b	—	Tunis	59	45	o, o	—
Groningen	36	27	o, f	—	Madeira (Funchal) Not recd.				
Vienna	50	34	o, o	—	22nd December.	1 p.m.	*	1 p.m.	Measured 7 a.m.
Marseilles	55	37	b, b	—	Geneva	34	*	m	—
Florence	54	44	o, b	—	Berne	27	*	f	—
Rome	59	46	o, o	—	Coire	39	*	b	—
Naples	56	40	o, c	—	Castasegna	37	*	b	—
Palermo	58	44	r, o	1·14	Lugano	43	*	b	—
Malta	62	50	?, c	2·01	Davos	37	*	b	—

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.‡ (W.E.T.)	6 p.m.
Holland	8 a.m. („ „)	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores { Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

24th Dec, 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	8.6	11.53	3.40
Greenwich	8.7	12.0	3.53
Wick	9.5	12.12	3.19
Valencia	8.51	12.41	4.31

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
„ Weekly „ „ „ £1 10 0 „ Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 26th December, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins.	Barometer. Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Temperature. Change since Yesterday. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Temp. Min. °	Weather	Sun shine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	30·12	16	SE	2	0	30·32	+·08	9	7	−8	N	2	6	*	19	7	—	*	0·04
	Hernösand ...	30·17	30	NE	4	0	30·29	+·14	23	22	−8	✕	0	0	*	34	23	—	*	—
	Stockholm ...	30·15	32	✕	0	0	30·21	+·05	30	29	−3	✕	0	0	*	34	30	—	*	—
	Wisby	30·13	32	✕	0	0	30·17	−·02	34	33	0	N	4	0	*	37	32	—	*	—
	Karlstad	30·20	29	N	2	0	30·28	+·11	30	29	+2	✕	0	0	*	*	*	—	*	—
	Færder (X'iania Fjord)																		*	
	Bodö	30·07	29	W	2	6	30·30	+·22	22	19	−9	E	2	6	1	36	19	—	*	—
	Christiansund ...	30·25	34	?	?	6	30·25	+·04	33	33	−6	NE	1	6	3	39	30	—	*	—
	Skudesnaes ...	30·20	33	✕	0	6	30·28	+·18	32	31	−3	✕	0	6	1	37	30	c, 6	*	*
BRITISH ISLANDS	Sumburgh Head	30·17	34	✕	0	6	30·19	+·09	37	35	+1	✕	0	6	3	39	32	6	*	—
	Stornoway ...	30·14	37	✕	0	c	30·13	+·01	38	36	+4	SSW	2	c	2	39	29	6, c	1·8	—
	Malin Head ...	30·14	39	S	1	0g	30·11	−·02	34	34	−7	SSE	4	6	2	43	32	c, 0g	*	—
	Blacksod Pt. ...	30·09	44	SE	2	c	30·05	−·07	39	37	−3	SE	5	6	4	45	39	6c, 0	*	0·01
	Valencia	30·12	38	ENE	1	6	30·04	−·11	42	40	+5	ENE	2	0	3	44	37	0x, 6	0·0	—
	Roche's Point ...	30·15	41	ESE	1	0	30·10	−·06	34	33	−3	N	1	6	1	43	31	0, 0	*	0·02
	Parsonstown ...	30·16	37	✕	0	0	30·13	+·02	25	24	−10	E	2	6	*	41	23	—	0·0	—
	Donaghadee ...	30·14	43	NW	2	c	30·15	+·02	41	39	−1	NW	1	6	2	43	39	—	*	—
	Liverpool Obsy.	30·14	40	N	1	c	30·12	+·01	35	34	−3	NE	1	c	1	43	34	—	*	—
	Holyhead ...	30·14	44	NE	1	c	30·11	·00	40	38	−4	ENE	2	c	1	44	37	c	*	—
	Pembroke (St. Ann's)	30·11	40	NNE	3	6c	30·07	−·04	36	35	−6	NE	4	6c	2	47	34	p, 6c	0·3	0·03
	Scilly (St. Mary's)...	30·11	47	NNW	4	c	30·02	−·08	45	42	−3	ENE	4	c	3	49	42	c	1·3	—
	Jersey (St. Aubins)...	30·06	42	SW	1	0gm	29·96	−·10	41	39	−1	NE	4	cgp	3	44	36	0gm, p	0·0	0·06
	Portland Bill ...	30·07	44	N	2	6c	30·01	−·05	37	36	−4	NNE	3	cm	2	44	36	cm, 6t	*	—
	Dungeness ...	29·99	38	NW	2	m	29·93	−·09	38	37	+1	NE	4	0	2	40	33	m	0·0	—
	Wick	30·18	34	NW	1	m	30·16	+·09	31	30	−4	✕	0	6	1	38	27	—	*	—
	Nairn	30·18	34	✕	0	0	30·20	+·08	26	25	−6	W	1	m	1	35	25	—	*	0·02
	Aberdeen ...	30·19	33	W	2	6	30·22	+·09	33	32	−3	WNW	2	6cm	2	37	29	6m, 6	0·4	—
	Leith	30·17	34	✕	0	0	30·18	+·06	35	34	+2	WNW	1	cm	*	37	31	—	*	—
	North Shields ...	30·11	38	NW	3	c	30·14	+·07	42	40	+2	ENE	3	c	2	44	37	r, 0, p	*	0·15
	Spurn Head ...	30·04	39	NNE	4	6c	30·04	+·02	38	38	−1	ENE	5	cp	4	43	36	6cp	*	0·04
	Yarmouth ...	29·97	41	N	3	0	29·98	+·02	39	37	+1	ESE	5	0	4	41	36	s, c, 0	*	0·12
	Nottingham ...	30·08	39	NW	1	c	30·05	·00	36	35	−3	N	1	c	*	42	35	m, c	0·0	0·02
	Oxford	30·09	39	NNE	2	0	30·03	−·04	36	35	−2	N	2	c	*	42	34	—	*	—
	London (Brixton)...	30·03	41	N	1	0g	29·96	−·08	37	36	−2	N	3	0	*	42	36	p, 0	0·0	—
GERMANY, &c.	The Scaw (Skagen)	30·19	35	E	1	0	30·25	+·17	35	33	−2	ENE	3	0	1	39	34	—	*	—
	Fanö	30·11	32	✕	0	s	30·20	+·21	34	32	+2	NE	2	0	*	36	30	—	*	0·04
	Cuxhaven ...	30·03	30	✕	0	6	30·13	+·15	33	32	+1	E	1	c	*	34	28	—	*	—
	The Helder ...	29·94	33	S	1	0	30·06	+·13	32	31	0	ESE	1	0	1	34	32	—	*	—
	Brussels	*	*	*	*	*	30·02	·00	31	31	0	NE	1	0	*	35	31	—	*	—
	Berlin	30·04	31	S	1	6	30·10	+·06	33	32	+4	ENE	2	0	*	34	28	—	*	—
	Frankfürt ...	30·03	33	✕	0	0	30·05	+·03	33	32	0	N	3	0	*	34	30	—	*	—
	Munich	29·94	26	✕	0	f	29·95	−·01	26	26	+13	NE	2	0	*	27	12	—	*	0·04
FRANCE.	C. Gris Nez ...	29·99	39	NNW	4	0	29·92	−·08	36	35	−4	E	2	0	2	43	34	—	*	0·39
	Brest	30·09	43	✕	0	0	29·97	−·12	39	38	−4	N	2	0	2	48	37	—	*	—
	Lorient	30·06	45	N	2	c	29·97	−·10	42	41	−1	NE	3	0	2	48	36	—	*	—
	Rochefort ...	30·04	37	SE	2	0	29·95	−·11	37	36	+6	S	2	0	*	39	31	m, 0	*	0·04
	Biarritz	30·07	44	✕	0	0	29·96	−·08	37	37	−9	E	3	m	2	46	34	—	*	0·12
	Paris	30·03	33	S	1	0	29·96	−·07	32	32	0	S	1	0	*	35	31	—	*	—
	Belfort	29·97	32	ENE	3	s	29·95	+·02	28	28	−2	ENE	4	m	*	38	28	—	*	—
	Lyons	30·04	33	NNW	1	0	29·99	−·02	30	28	−6	NW	1	s	*	36	30	—	*	0·04
	Nice	29·88	41	E	2	6	29·86	+·02	41	38	+1	E	2	0	2	50	39	—	*	—
	Perpignan ...	29·95	45	NW	2	6c	29·91	−·03	37	34	−8	NE	2	6	*	51	36	—	*	—
SPAN. PEN.	Corunna																		*	
	Lisbon	30·04	46	NNW	4	6	30·01	−·06	41	40	−1	N	1	6	*	54	39	—	*	—
	Azores (P. Delgada)	30·19	55	NNW	4	6c	30·26	+·12	53	46	−6	NNW	4	6c	3	64	52	—	*	0·08
	" (Horta) ...	30·27	55	NW	3	6	30·27	+·28	53	50	−9	WNW	1	6	2	63	50	—	*	—

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

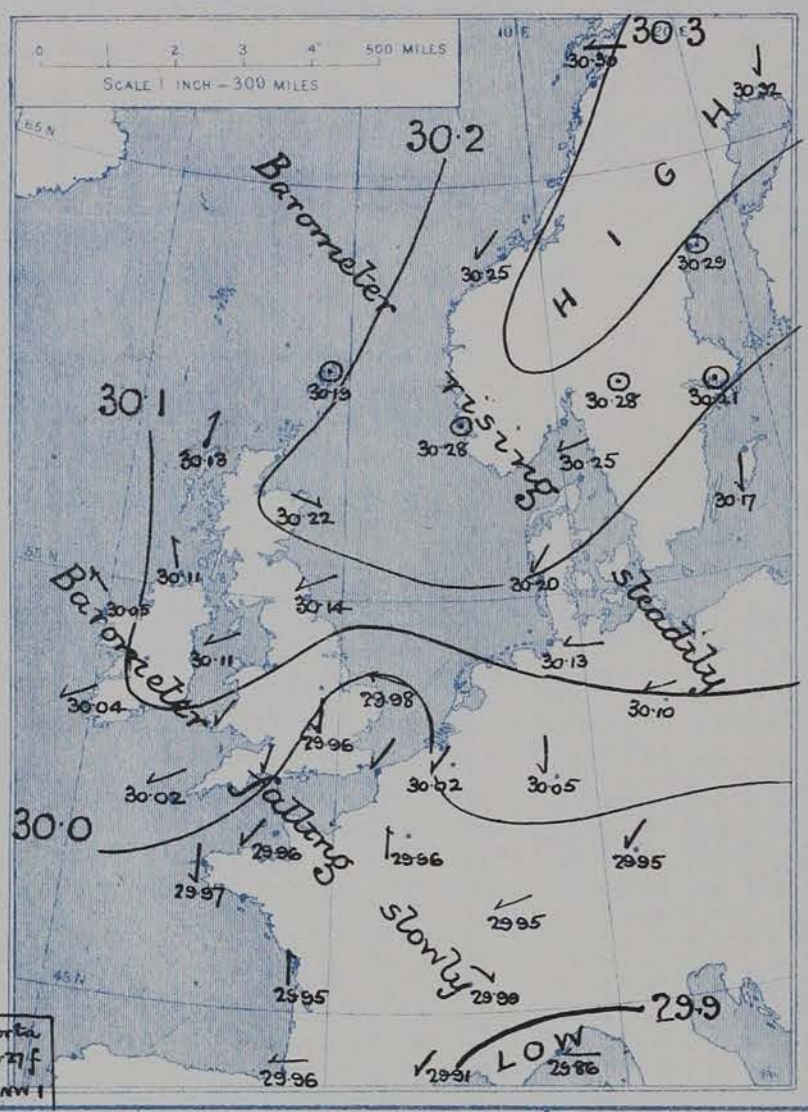
* *Observations for this column not generally received.* † *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR SATURDAY, 26TH DECEMBER, 1903.

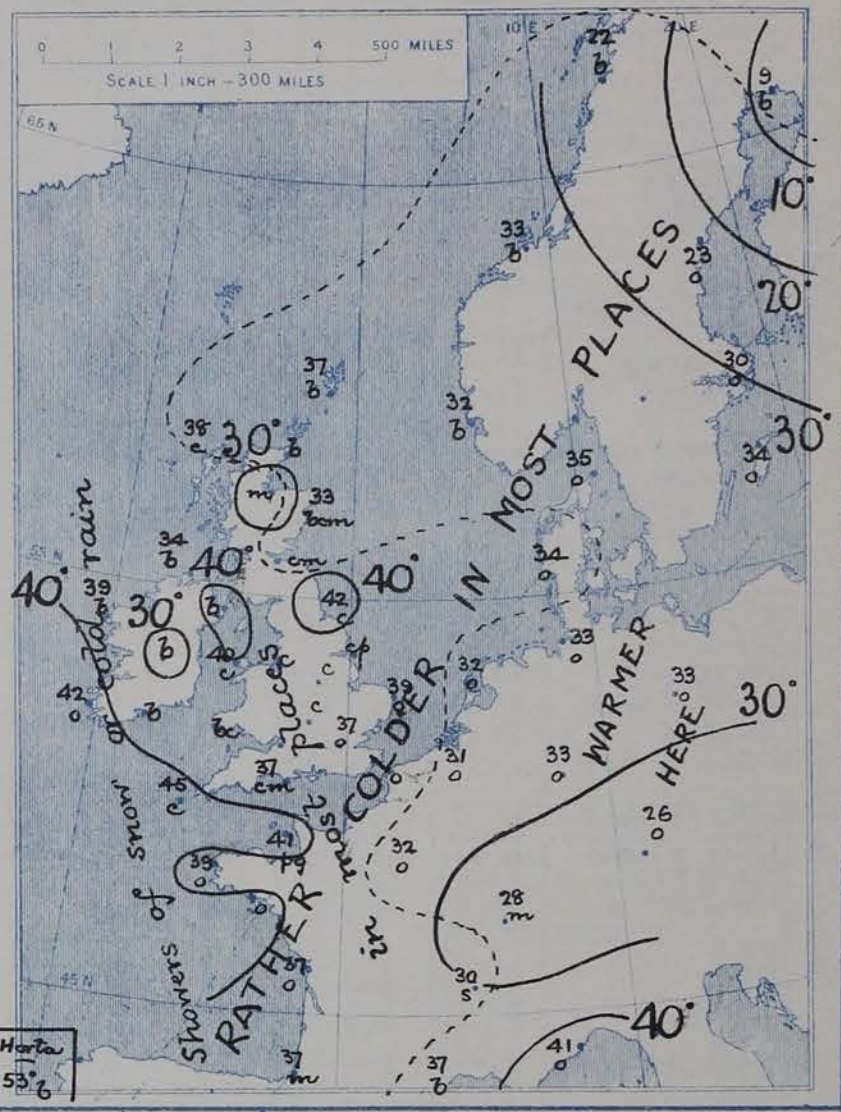
I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows show Directions and Force, flying with the wind.
Force above 10 — *Force 8 to 10* — *Force 5 to 7* — *Force 1 to 4* — Calm
SEA.—Rough — *High*



II. TEMPERATURE AND WEATHER. *This Morning.*

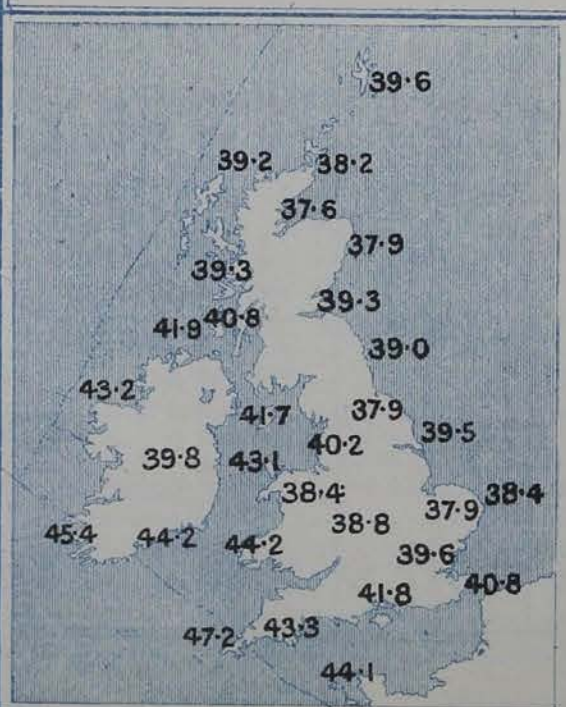
TEMPERATURE—Isotherms are drawn for each 10°
WEATHER—Shown by Letters of the Beaufort Scale. *(See P. 4.)*
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus – 0·6



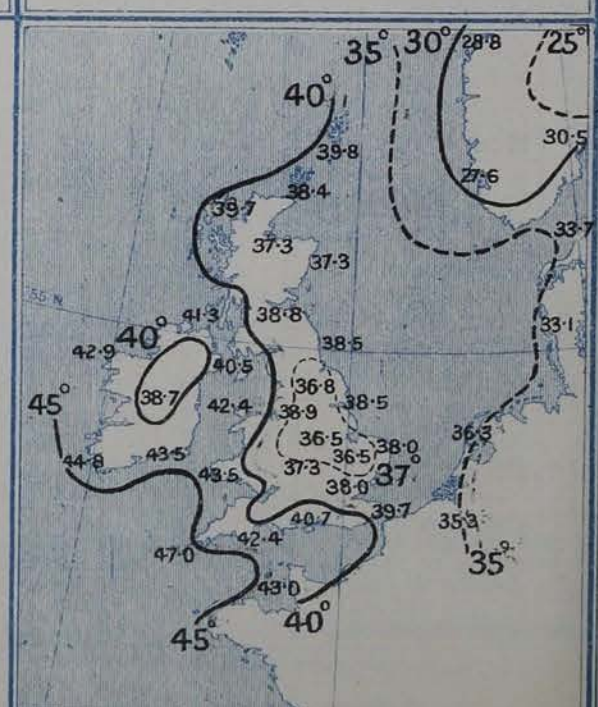
III. BAROMETER AND WIND

Yesterday morning.

IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMPERATURES *combined for the month of* DECEMBER. *(1871–1900.)*



V. *Means of* DAILY TEMPERATURE *at 8 A.M. for the Two monthly period* DECEMBER–JANUARY *(1871–1900)*



GENERAL SITUATION AT 8 A.M.

PRESSURE

The barometer is at present highest, 30·2 ins and upwards, in Lapland, but is high, 30·1 ins and upwards, in a large anticyclone which extends from the Atlantic over Portugal, the west and north of our Islands and the whole of Scandinavia. The lowest pressures, 29·9 ins. and less, are found in a shallow cyclonic disturbance over the Gulf of Genoa. The barometer is falling in the neighbourhood of this depression and also in Scandinavia, but is rising slightly in nearly all other parts of our area.

WIND TEMPERATURE WEATHER AND SEA

The wind is light from the N^d. (N.W. to N.E) over the United Kingdom and the north and west of France, but is E^ly or S.E^ly over Germany and the eastern shores of the North Sea, and calm at most of the Swedish stations. Temperature has fallen a little and is now below the average in most places. Over a considerable portion of these Islands the morning readings are below 40°, while in many parts of Scotland they are below 35°, the lowest value reported being 32° at Nairn. Frost is reported at many of the Continental stations, and although slight as a rule, the thermometer stands as low as 13° at Munich and 17° at Haparanda. The weather is fair or fine in many parts of the United Kingdom, but is dull on the Continent, with rain at Biarritz. The sea is slight or smooth on nearly all coasts.

The maximum temperatures registered yesterday were below 45° in many parts of these Islands, and below 40° at some of the coast stations in the south-east, east and north. Showers fell in most districts, and a considerable quantity of rain (0·55 in.) at Biarritz. Over a large portion of the United Kingdom there was an entire absence of bright sunshine, but at Valencia there was as much as 6·4 hours, and at Scilly 5·5 hours.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS*

For the 24 hours ending at NOON on 26th December, 1903

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NONE ISSUED	6 SCOTLAND WEST	NONE ISSUED
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W	
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph; see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.					This Morning 8 a.m.									Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind Direct.	Wind Force	Weather.	Barometer. Ins.	Barometer. Change	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direct.	Wind Force	Weather.	Sea.	Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	0	*	37	34	0	0.0	—
Bath	29.97	45	NE	1	0	30.08	+.15	42	41	−1	NE	1	8c	*	45	38	—	0.0	—

REPORTS FOR YESTERDAY.

STATIONS.	Temperture F. Max.	Temperture F. Min.	Weather.	Sunshine Hrs.	Rainfall. Ins.	STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine Hrs.	Rainfall. Ins.
	°	°					°	°			
Southport, to 9 p.m.... ...						Broadstairs...	*	*	*		*
Rhyl, to 6 p.m.	*	*	*	1.3	*	Margate	39	37	cxo	0.0	—
Llandudno...	*	*	*	1.1	*	Lowestoft, to 6 p.m.... ...					
Bettws-y-Coed, to 6 p.m. ...	44	*	*	1.5	*	Skegness	*	*	*	0.0	*
Aberystwyth, to 6 p.m. ...	45	40	c, b	4.0	—	Scarborough, to 6 p.m. ...					
Plymouth, to 9 p.m.... ...	47	41	o, bc, b	2.9	—	Harrogate, to 6 p.m. ...	44	37	o, f, r	0.0	0.08
Worthing	*	*	*	0.0	*	Manchester, to 9 p.m. ...					
Brighton	43	*	*	0.0	*	Darwen, to 9 p.m.	42	37	o, omv	0.0	—
Eastbourne, to 6 p.m. ...	40	*	*	0.0	*	Birmingham, to 9 p.m. ...	44	37	r, o	0.0	0.25

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 24th Dec., 1903.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	STATIONS.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.
Copenhagen	36	32	o, o	—	Algiers	57	50	o, o	0.08
Utrecht...	32	30	o, mv	—	Tunis	57	41	c, mv	0.95
Groningen	30	28	o, mv	—	Madeira (Funchal) Not recd.				
Vienna	36	34	o, o	—	23rd December.	1 p.m.	*	1 p.m.	Measured 7 a.m.
Marseilles	55	43	b, o	—	Geneva	32	*	mv	—
Florence	47	41	o, o	—	Berne	25	*	o	—
Rome	55	45	c, o	—	Coire	39	*	b	—
Naples	54	48	o, o	—	Castasegna	34	*	o	—
Palermo	58	47	o, o	0.20	Lugano	37	*	o	—
Malta	59	54	?, o	—	Davos	25	*	b	—

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.‡ (W.E.T.)	6 p.m.
Holland	8 a.m. (" ")	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores { Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

25th Dec. 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	8.6	11.53	3.41
Greenwich	8.7	12.0	3.53
Wick	9.5	12.12	3.19
Valencia	8.51	12.41	4.32

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " " £1 10 0 " Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on SUNDAY 27TH DECEMBER 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. **W. N. SHAW**, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M. S. L. Ins.	Barometer. Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Temperature. Change since Yesterday. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Temp. Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	30·49	1	Z	0	b	30·42	+·10	-6	-7	-15	N	2	0	*	18	?	-	*	-
	Hernösand ...	30·46	17	Z	0	b	30·44	+·15	13	12	-10	Z	0	0	*	25	?	-	*	-
	Stockholm ...	30·34	29	N	2	0	30·39	+·18	27	26	-3	N	2	0	*	34	27	-	*	-
	Wisby	30·26	32	N	6	0	30·33	+·16	30	29	-4	NE	6	0	*	37	30	-	*	-
	Karlstad	30·39	23	NE	2	0	30·43	+·15	25	24	-5	NE	2	0	*	*	*	-	*	-
	Færder (X'iania Fjord)																		*	
	Bodö	30·19	24	E	4	0	29·96	-·34	28	27	+6	E	6	S	2	?	21	-	*	-
	Christiansund ...	30·30	39	ENE	1	0	30·29	+·04	40	37	+7	W	4	0	4	41	30	-	*	-
	Skudesnaes ...	30·39	33	SE	2	0	30·38	+·10	37	36	?	NW	1	0	1	37	30	0	*	*
BRITISH ISLANDS.	Sumburgh Head	30·21	40	S	1	c	30·26	+·07	40	38	+3	S	2	0	3	40	35	r, c	*	0·02
	Stornoway ...	30·15	38	SW	2	bc	30·18	+·05	40	37	+2	SW	3	b	3	42	33	bc	3·5	-
	Malin Head ...	30·11	35	S	2	b	30·11	·00	36	35	+2	S	3	bm	2	40	33	b	*	-
	Blacksod Pt. ...	30·07	40	S	4	b	30·04	-·01	38	35	-1	SE	4	bm	3	42	36	b	*	-
	Valencia	30·01	40	E	3	b	29·95	-·09	41	38	-1	E	3	0	4	45	37	bc, b	3·2	-
	Roche's Point ...	30·05	37	NNE	1	bp	30·00	-·10	43	41	+9	E	4	og	2	44	33	bc, bp	*	0·02
	Parsonstown ...	30·09	31	Z	0	b	30·08	-·05	36	34	+11	E	2	bc	*	40	25	bc, b	3·6	-
	Donaghadee ...	30·15	42	SE	4	c	30·16	+·01	41	37	0	SE	4	0	4	42	41	-	*	0·01
	Liverpool Obsy.	30·11	38	ENE	2	0	30·17	+·05	36	34	+1	E	3	0	?	39	34	0	*	-
	Holyhead ...	30·11	39	E	2	cm	30·13	+·02	35	34	-5	E	1	bc	1	42	33	c, cm	*	-
	Pembroke (St. Ann's)	30·02	37	ESE	4	bc	30·06	-·01	35	33	-1	ESE	4	bm	3	41	33	-	5·0	-
	Scilly (St. Mary's)...	29·97	42	NE	3	c	29·95	-·07	43	40	-2	E	5	cp	3	46	38	c	2·6	0·01
	Jersey (St. Aubins)...	29·95	39	NNE	2	om	30·03	+·07	37	36	-4	E	3	osp	3	42	37	og, om	2·0	0·01
	Portland Bill ...	29·97	39	NE	5	cp	?30·09	+·08	35	34	-2	NE	4	c	3	39	34	cp	*	0·01
	Dungeness ...	30·04	38	E	4	0	30·08	+·15	38	35	0	SE	4	c	3	40	35	0	0·0	0·04
	Wick	30·18	38	S	2	bc	30·19	+·03	42	41	+11	SW	2	0	1	42	30	-	*	-
	Nairn	30·23	23	Z	0	b	30·24	+·04	29	28	+3	Z	0	c	1	29	20	-	*	-
	Aberdeen ...	30·25	34	WNW	2	c	30·27	+·05	35	34	+2	WNW	2	c	2	41	31	bc, cm	0·0	0·02
	Leith	30·20	34	Z	0	c	30·20	+·02	36	35	+1	E	1	c	*	39	32	-	*	-
	North Shields ...	30·15	39	ESE	2	op	30·21	+·07	42	40	0	ESE	4	op	4	43	36	or, op	*	0·09
	Spurn Head ...	30·14	38	ESE	5	bc	30·18	+·14	39	38	+1	ESE	4	0	4	42	36	-	*	-
	Yarmouth ...	30·06	39	ESE	5	0	30·11	+·13	40	36	+1	ESE	5	c	4	41	35	c, o	*	-
	Nottingham ...	30·11	37	E	1	0	30·18	+·13	37	35	+1	ESE	1	0	*	39	34	-	0·0	0·03
	Oxford	30·10	35	NE	2	0	30·14	+·11	36	34	0	NE	2	0	*	39	30	odp, o	*	-
	London (Brixton)...	30·06	37	E	3	0	30·09	+·13	37	35	0	NE	3	ogm	*	40	35	bc, od	0·0	-
GERMANY, &c.	The Scaw (Skagen)	30·35	34	ENE	3	0	30·38	+·13	32	31	-3	E	3	0	1	37	32	-	*	-
	Fanö	?30·30	33	NE	2	0	?30·32	+·12	32	31	-2	NE	2	0	*	36	25	-	*	-
	Cuxhaven ...	29·84	33	E	2	0	30·25	+·12	34	33	+1	E	3	0	*	34	32	-	*	-
	The Helder ...	30·21	33	E	3	0	30·15	+·09	35	34	+3	ENE	3	0	2	?	30	-	*	-
	Brussels	*	*	*	*	*	30·10	+·08	31	31	0	ENE	2	S	*	34	28	-	*	-
	Berlin	30·14	33	NE	2	0	30·19	+·09	29	27	-4	SE	2	0	*	34	27	-	*	-
	Frankfürt ...	30·08	34	N	3	0	30·10	+·05	34	34	+1	N	2	0	*	36	32	-	*	-
	Munich	29·98	26	E	3	0	29·97	+·02	26	26	0	NE	4	0	*	27	25	-	*	-
FRANCE.	C. Gris Nez ...	30·02	32	E	3	m	30·06	+·14	32	31	-4	ENE	3	0	3	37	30	-	*	-
	Brest	29·92	39	NE	1	0	29·95	-·02	37	35	-2	ENE	3	bc	3	43	36	-	*	-
	Lorient	29·91	40	NE	3	0	29·96	-·01	38	37	-4	E	4	0	2	43	36	-	*	-
	Rochefort ...	29·91	37	E	3	bc	29·94	-·01	30	29	-7	E	3	0	*	41	28	bc	*	-
	Biarritz	29·92	41	E	2	0	29·90	-·06	42	41	+5	SSW	4	0	2	45	39	-	*	0·28
	Paris	30·02	32	E	1	0	30·02	+·06	32	32	0	ENE	2	0	*	34	31	-	*	-
	Belfort	29·94	28	ENE	5	m	29·97	+·02	27	26	-1	ENE	2	m	*	30	27	-	*	-
	Lyons	29·99	31	N	1	0	30·00	+·01	31	30	+1	N	1	0	*	32	30	-	*	-
	Nice	29·85	41	ESE	2	c	29·78	-·08	42	37	+1	Z	0	0	4	46	37	-	*	0·71
	Perpignan ...	29·90	31	NW	3	0	29·90	-·01	31	31	-6	SW	1	0	*	48	30	-	*	-
SPAN. PEN.	Corunna																		*	
	Lisbon	29·97	46	N	3	b	30·00	-·01	39	39	-2	NNE	3	f	*	52	39	-	*	-
	Azores (P. Delgada)	30·27	53	Z	0	bc	30·10	-·16	60	58	+7	WNW	5	0	3	59	52	-	*	0·08
	" (Horta) ...	30·25	59	SSW	3	r	30·14	-·13	61	59	+8	W	2	r	2	61	59	-	*	0·08

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

† *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

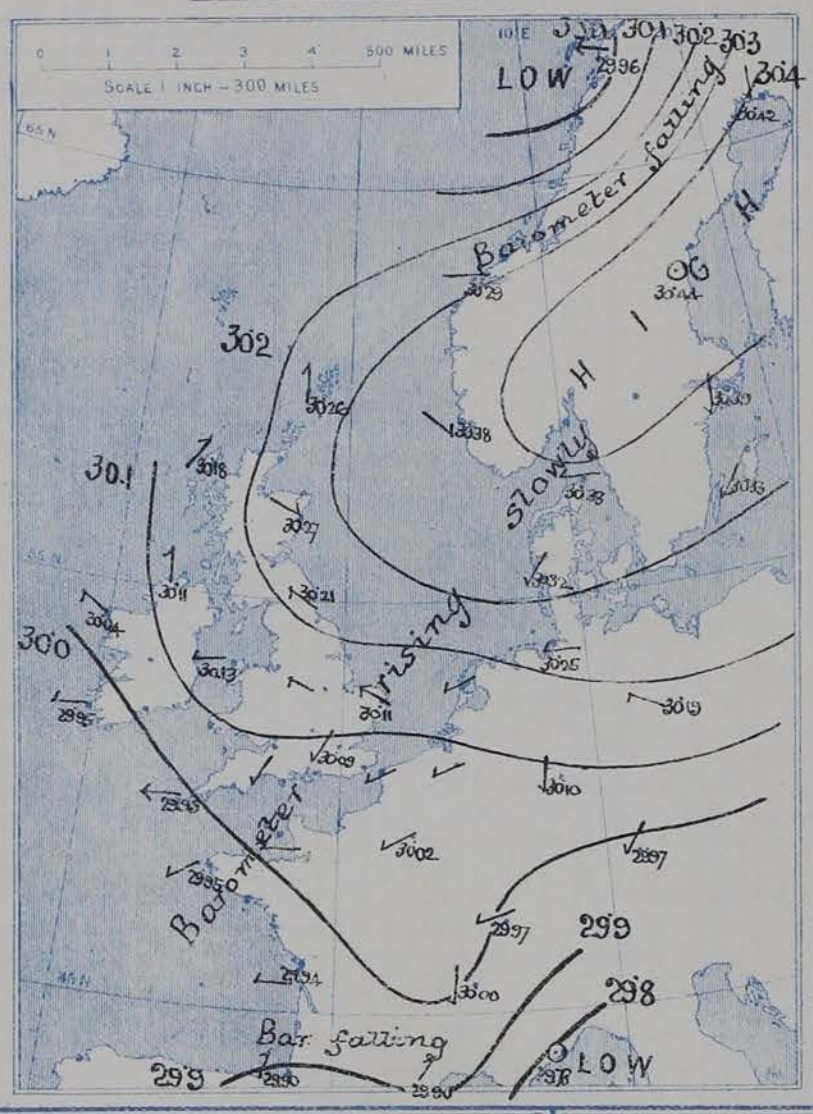
FOR SUNDAY, 27th DECEMBER, 1903.

I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.

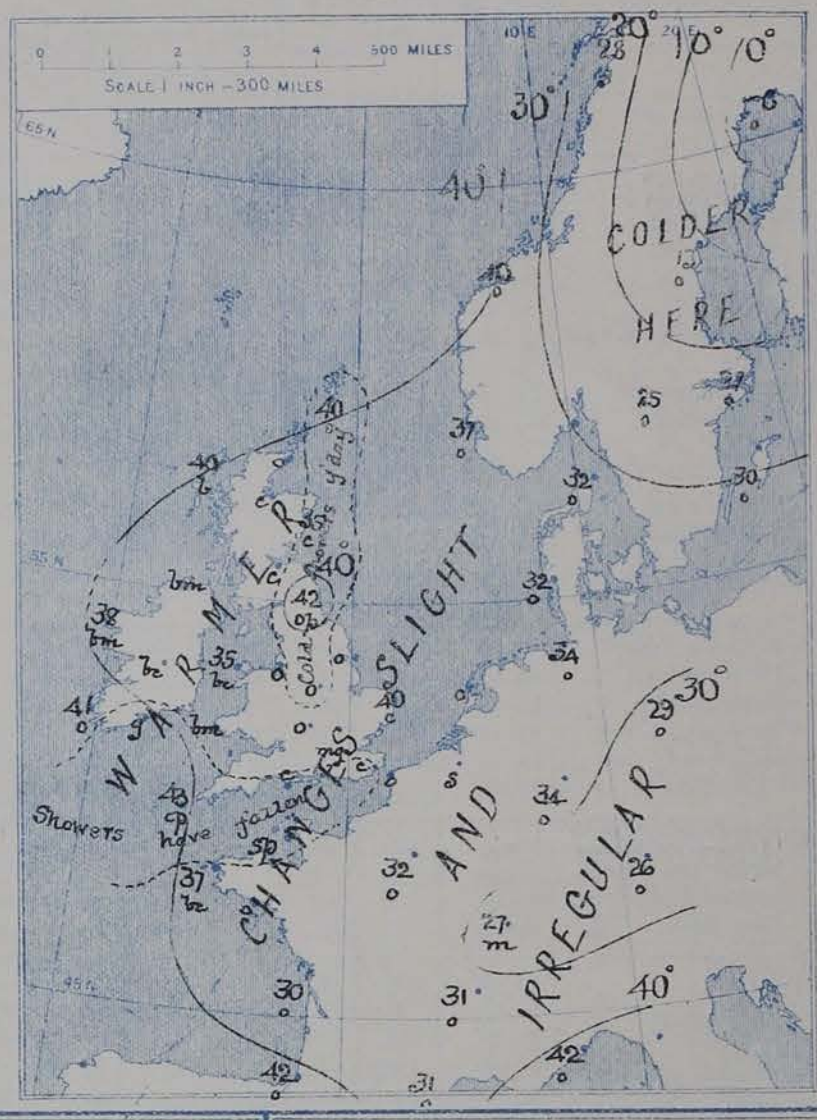
Force above 10 — *Force 8 to 10* — *Force 5 to 7* — *Force 1 to 4* — Calm ⊙

SEA.—Rough — *High*



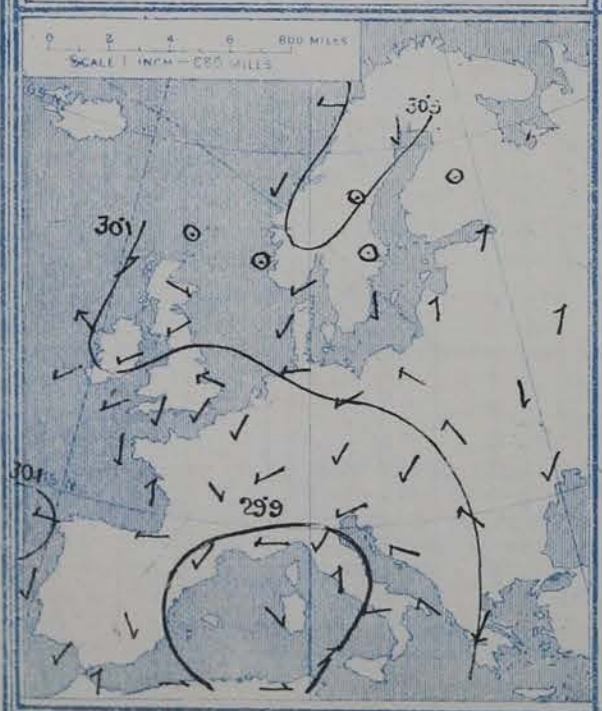
II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°
WEATHER.—Shown by Letters of the Beaufort Scale. *(See P. 4.)*
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus - 0·6

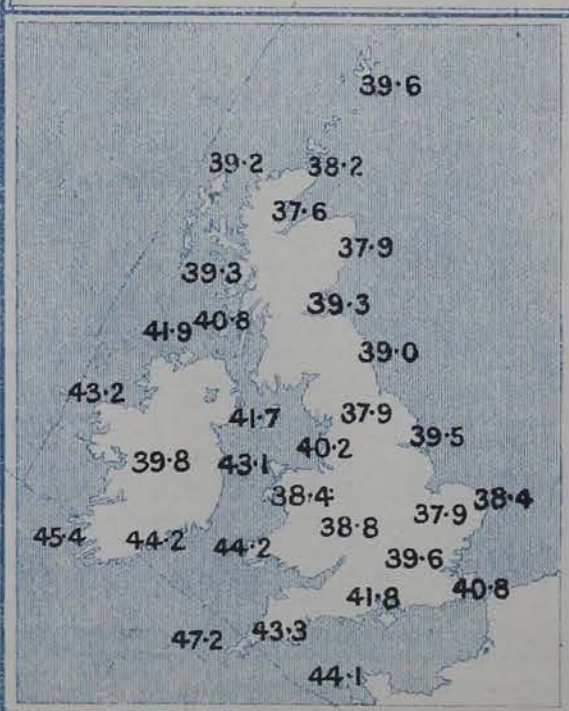


III. BAROMETER AND WIND

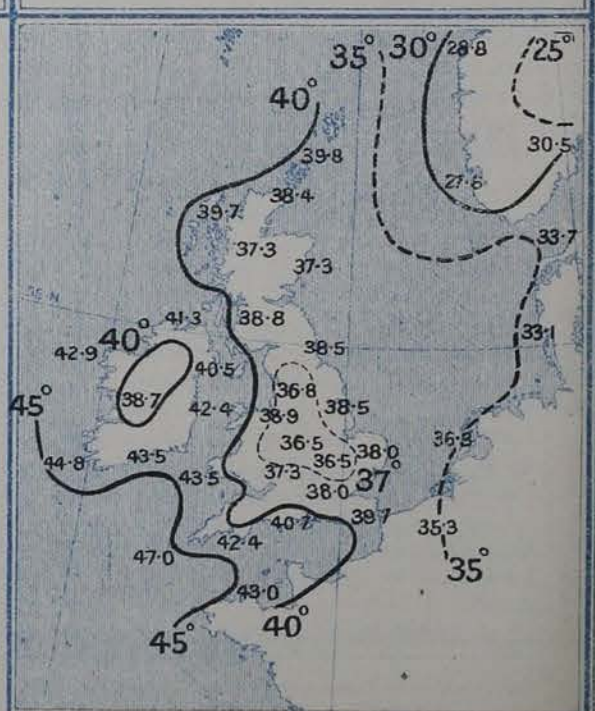
Yesterday morning.



IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMPERATURES *combined for the month of* DECEMBER. *(1871-1900.)*



V. *Means of* DAILY TEMPERATURE *at 8 A.M. for the Two monthly period* DECEMBER-JANUARY *(1871-1900)*



GENERAL SITUATION AT 8 A.M.

PRESSURE

A new system of high pressure is forming over Scandinavia and our northern districts, the barometer having risen above 30·3 ins. in Lapland and above 30·2 ins. in the east of Scotland. Over the greater part of Ireland, England and France the mercury is giving way gradually, the readings now being below 30 ins. in the southeast of England and southward across France to below 29·9 ins. on the Gulf of Genoa. There is a moderate gradient on the lower part of the North Sea, very slight over the the rest of our area.

WIND TEMPERATURE WEATHER AND SEA

Calms and light W'ly. airs are reported over Scotland, and a moderate or fresh S.E'ly. breeze in the north and northwest of Ireland, the direction over the remainder of our islands being N.E'ly. to E'ly., moderate to very light in most places, but blowing freshly at Yarmouth and Spurn Head. On the Continent calms and light breezes from various directions are general. Temperature has fallen at nearly all stations and now ranges from 25° at Parsonstown and 26° at Nairn to 42° at Shields and Valencia and 45° at Scilly; from 9° at Haparanda and 22° at Bodö to 41° at Nice and 42° at Lorient. Fair to fine clear weather prevails over our western districts and northeastward across Scotland to Norway and northern Sweden. Elsewhere dull overcast skies are in the ascendant, with mist locally, rain showers at Spurn Head and Jersey and snow at Lyons. The sea is moderate to smooth on all the home and foreign coasts.

During yesterday temperature rose to 49° at Scilly and to 47° at Pembroke, but at Harrogate and all stations in Scotland the maxima were from 35° to 39°. Sharp frost occurred at some northern and western stations early this morning, the minimum values being 23° at Parsonstown and 25° at Nairn. Considerable sunshine was registered yesterday in Wales and the northwest of England, 5 hours at Aberystwyth, little or none in other districts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

With the extension of the Scandinavian anticyclone southwestward across the North Sea, and the decline of the barometer in the south, the disposition of pressure is becoming favourable to winds from E'ly. directions, with local falls of sleet or snow, but generally finer weather than of late, and with a further decrease of temperature.

FORECASTS*

For the 24 hours ending at NOON on 27th DECEMBER, 1903

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	Light variable breezes; fair or fine generally, but with local cold showers.
1 SCOTLAND EAST	
2 ENGLAND N.E.	N'ly. to E'ly. breezes, light inland, fresh or moderate on coast; weather improving, but with local sleet or snow. Cold.
3 ENGLAND EAST	
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	Same as Nos. 0 and 1.
7 ENGLAND N.W.	N.E'ly. to E'ly. breezes, moderate or light; weather improving, but with local sleet or snow. Cold.
8 ENGLAND S.W	
9 IRELAND NORTH	S.E'ly. breezes, moderate; fair or fine generally, with local cold showers.
10 IRELAND SOUTH	E'ly. breezes, moderate or light; fair or fine generally, with local cold showers.
WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph; see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.					This Morning 8 a.m.									Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind Direct.	Wind Force	Weather.	Barometer. Ins.	Barometer. Change	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direct.	Wind Force	Weather.	Sea.	Temperature Max.	Temperature Min.	Weather	Sunshine Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	8c	*	40	35	0	0.0	–
Bath	30.04	40	NE	1	0	30.03	-.05	37	36	-5	NE	1	8c	*	43	35	–	0.0	–

REPORTS FOR YESTERDAY.

STATIONS.	Temperture F. Max.	Temperture F. Min.	Weather.	Sunshine Hrs.	Rainfall. Ins.	STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine Hrs.	Rainfall Ins.
Southport, to 9 p.m.... ...	42	34	c	3.7	–	Broadstairs...	*	*	*		*
Rhyl, to 6 p.m.	*	*	*	3.8	*	Margate					
Llandudno...	*	*	*	2.5	*	Lowestoft, to 6 p.m.... ...					
Bettws-y-Coed, to 6 p.m. ...					*	Skegness	*	*	*		*
Aberystwyth, to 6 p.m. ...	43	31	c	5.0	–	Scarborough, to 6 p.m. ...					
Plymouth, to 9 p.m.... ...						Harrogate, to 6 p.m. ...	39	37	d, o	0.0	0.07
Worthing	*	*	*	0.0	*	Manchester, to 9 p.m. ...					
Brighton	40	*	*	0.0	*	Darwen, to 7 p.m.	40	34	0m, c0, 0m	0.5	–
Eastbourne, to 6 p.m. ...	45	*	*	0.0	*	Birmingham, to 9 p.m. ...	49	36	o	0.0	–
Hastings	*	*	*	0.0	*						

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 25th Decr, 1903.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	STATIONS.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.
Obsns. not received.					Obsns. not received.				
Copenhagen					Algiers				
Utrecht...					Tunis				
Groningen					Madeira (Funchal)				
Vienna					24th December.	1 p.m.	*	1 p.m	Measured 7 a.m.
Marseilles					Geneva	32	*	f	–
Florence					Berne	27	*	f	–
Rome					Coire	39	*	c	–
Naples					Castasegna	36	*	o	–
Palermo					Lugano	41	*	o	–
Malta					Davos	23	*	o	–

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.‡ (W.E.T.)	6 p.m.
Holland	8 a.m. (,, ,,)	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores: Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores: Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

26th Decr, 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	8.6	11.54	3.42
Greenwich	8.7	12.1	3.54
Wick	9.5	12.13	3.20
Valencia	8.51	12.42	4.33

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
,, Weekly ,, ,, ,, £1 10 0 ,, Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on MONDAY 28TH DECEMBER, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins.	Barometer. Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Temperature. Change since Yesterday. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Temp. Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	30·17	25	SW	6	s	30·04	-·38	21	21	+27	SW	2	c	*	25	-8	–	*	0·12
	Hernösand ...	30·28	24	Z	0	b	30·28	-·16	26	25	+13	Z	0	bc	*	26	12	–	*	–
	Stockholm ...	30·43	25	NW	2	o	30·36	-·03	26	24	-1	WSW	2	o	*	30	25	–	*	–
	Wisby	30·38	28	NE	6	o	30·41	+·08	30	27	0	N	4	o	*	32	27	–	*	–
	Karlstad	30·48	23	N	4	o	30·46	+·03	22	21	-3	WNW	2	o	*	*	*	–	*	–
	Færder (X'iania Fjord)	30·48	26	NNW	1	o	30·47		25	22		NW	1	c	o	27	23	–	*	–
	Bodö	30·02	40	S	4	o	30·25	+·29	37	36	+9	S	6	r	3	?	28	–	*	0·47
	Christiansund ...	30·35	40	SW	2	c	30·39	+·10	41	37	+1	WSW	1	o	3	41	39	–	*	–
	Skudesnaes ...	30·39	36	S	2	o	30·46	+·08	36	35	-1	S	4	o	2	27	34	o	*	*
BRITISH ISLANDS.	Sumburgh Head	30·30	40	SE	3	c	30·30	+·04	39	37	-1	SE	2	o	4	42	37	bc,c	*	0·01
	Stornoway ...	30·21	42	SSW	4	o	30·18	·00	41	37	+1	WSW	3	o	3	45	33	o	0·4	–
	Malin Head ...	30·16	37	ESE	3	ogm	30·15	+·04	36	35	0	SE	4	ogm	2	38	35	o,ogm	*	–
	Blacksod Pt. ...	30·06	39	SE	5	c	30·07	+·03	39	36	+1	SE	5	b	4	39	37	b,c	*	–
	Valencia	30·00	43	ENE	3	c	30·03	+·08	39	36	-2	E	3	b	4	45	37	c	4·5	0·02
	Roche's Point ...	30·06	43	ESE	4	bc	30·08	+·08	40	38	-3	SE	2	o	2	45	36	hp,og,bc	*	0·03
	Parsonstown ...	30·12	37	E	2	bc	30·13	+·05	36	34	0	E	3	o	*	39	25	bc	1·4	–
	Donaghadee ...	30·20	42	SE	3	o	?30·18	+·02	40	37	-1	SSE	4	og	4	42	39	–	*	–
	Liverpool Obsy.	30·18	38	ESE	1	o	30·20	+·03	36	34	0	E	2	o	?	38	35	om,o	*	–
	Holyhead ...	30·18	38	E	1	c	30·17	+·04	37	35	+2	E	3	om	2	39	33	c	*	–
	Pembroke (St. Ann's)	30·09	36	ESE	3	c	30·10	+·04	37	35	+2	ESE	4	cg	3	39	33	c,cg	0·4	–
	Scilly (St. Mary's)...	29·99	43	E	5	o	29·99	+·04	43	42	0	E	4	c	3	45	40	c,o,hp	0·0	0·04
	Jersey (St. Aubins)...	30·04	37	ESE	3	om	30·07	+·04	37	34	0	ENE	4	om	3	38	36	om,g	0·0	0·01
	Portland Bill ...	30·05	37	ENE	4	c	30·10	+·01	36	35	+1	ENE	4	odp	2	38	33	c	*	0·01
	Dungeness ...	30·06	38	SE	4	ou	30·14	+·06	38	35	0	ESE	4	og	3	39	36	o,ou	0·0	–
	Wick	30·23	40	S	3	c	?30·25	+·06	40	38	-2	S	3	bc	1	43	38	–	*	0·02
	Nairn	30·27	35	Z	0	c	30·25	+·01	33	32	+4	Z	0	c	1	36	28	–	*	0·01
	Aberdeen ...	30·30	40	SE	3	cp	30·31	+·04	38	37	+3	SE	4	p	3	41	34	hp,cp	0·0	0·07
	Leith	30·21	39	SE	1	bc	30·27	+·07	36	35	0	SE	1	o	*	40	34	om,bc	*	–
	North Shields ...	30·21	40	E	3	cp	30·27	+·06	39	37	-3	SE	3	op	3	42	35	cp	*	0·07
	Spurn Head ...	30·15	39	E	5	c	30·21	+·03	38	37	-1	E	5	othp	4	42	35	–	*	0·03
	Yarmouth ...	?30·11	39	E	5	o	30·16	+·05	39	36	-1	E	6	cgq	5	40	37	o	*	0·02
	Nottingham ...	30·17	36	E	1	o	30·22	+·04	35	34	-2	ENE	1	o	*	37	34	–	0·0	0·01
	Oxford	30·14	35	NNE	2	o	30·20	+·06	34	34	-2	NE	2	od	*	37	33	o,odg	*	0·03
	London (Brixton)...	30·09	37	NE	3	og	30·16	+·07	36	36	-1	Z	0	odgm	*	38	35	ogm,od	0·0	0·03
GERMANY, &c.	The Scaw (Skagen)	30·45	32	ESE	3	o	30·47	+·04	31	31	-1	N	1	o	0	34	30	–	*	–
	Fanö	30·38	30	NNE	2	o	30·43	+·11	28	27	-4	NNE	2	b	*	34	28	–	*	–
	Cuxhaven ...	30·29	34	ENE	2	o	30·36	+·11	33	33	-1	ENE	2	o	*	34	32	–	*	–
	The Helder ...	30·21	33	E	4	o	30·26	+·11	31	29	-4	E	3	b	2	35	30	–	*	–
	Brussels	*	*	*	*	*	30·18	+·08	31	30	0	ENE	2	o	*	32	31	–	*	–
	Berlin	30·26	28	E	3	b	30·34	+·15	31	28	+2	E	2	o	*	32	24	–	*	–
	Frankfürt ...	30·11	34	N	2	o	30·20	+·10	37	32	+3	N	4	c	*	37	27	–	*	–
	Munich	30·00	28	E	3	o	30·02	+·05	28	28	+2	NE	4	f	*	28	26	–	*	–
FRANCE.	C. Gris Nez ...	30·06	32	ENE	3	m	30·09	+·03	32	32	0	ENE	2	o	2	36	32	–	*	–
	Brest	29·97	36	E	2	c	30·00	+·05	37	35	0	E	3	o	3	41	36	–	*	–
	Lorient	29·96	38	E	3	o	29·99	+·03	34	33	-4	E	4	o	2	43	32	–	*	–
	Rochefort ...	29·96	32	ESE	3	o	29·95	+·01	30	30	0	ENE	4	c	*	34	27	m,o	*	–
	Biarritz	29·93	46	SSW	1	bc	29·88	-·02	43	40	+1	SE	2	o	3	46	37	bc,tb	*	0·12
	Paris	30·05	33	NE	2	o	30·08	+·06	34	31	+2	E	2	o	*	34	32	–	*	–
	Belfort	29·97	28	ENE	5	m	30·04	+·07	28	27	+1	ENE	3	m	*	30	?	–	*	–
	Lyons	30·02	31	N	4	b	30·06	+·06	29	27	-2	NW	1	o	*	33	29	–	*	–
	Nice	29·78	43	Z	0	o	29·86	+·08	39	36	-3	E	1	b	3	50	39	–	*	–
	Perpignan ...	29·91	41	W	2	b	29·94	+·04	30	29	-1	SW	2	b	*	51	29	–	*	–
SPAN. PEN.	Corunna																		*	
	Lisbon														*				*	
	Azores (P. Delgada)																		*	
	" (Horta) ...	30·12	63	SW	4	c	30·11	-·03	63	60	+2	SW	4	c	2	64	61	–	*	–

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.* † *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR Monday, 28th December, 1903.

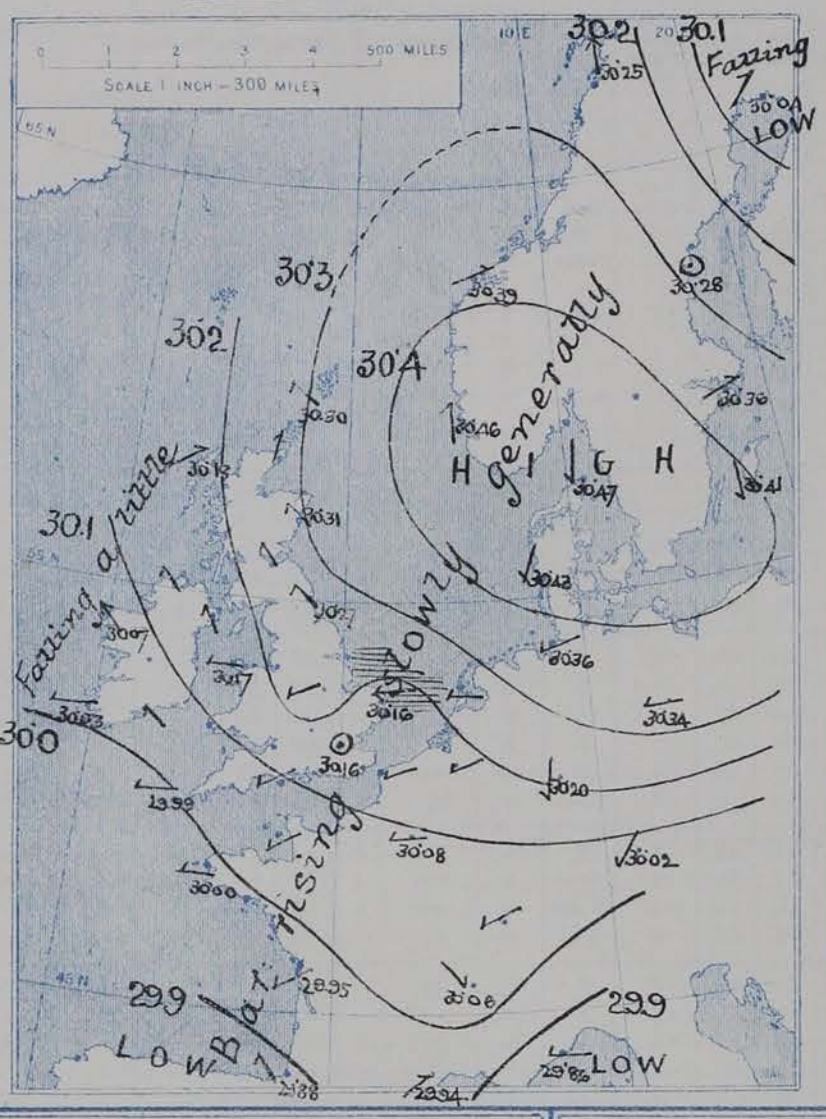
I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind

Force above 10 — *Force 8 to 10* — *Force 5 to 7* — *Force 1 to 4* — Calm

SEA.—Rough — *High*

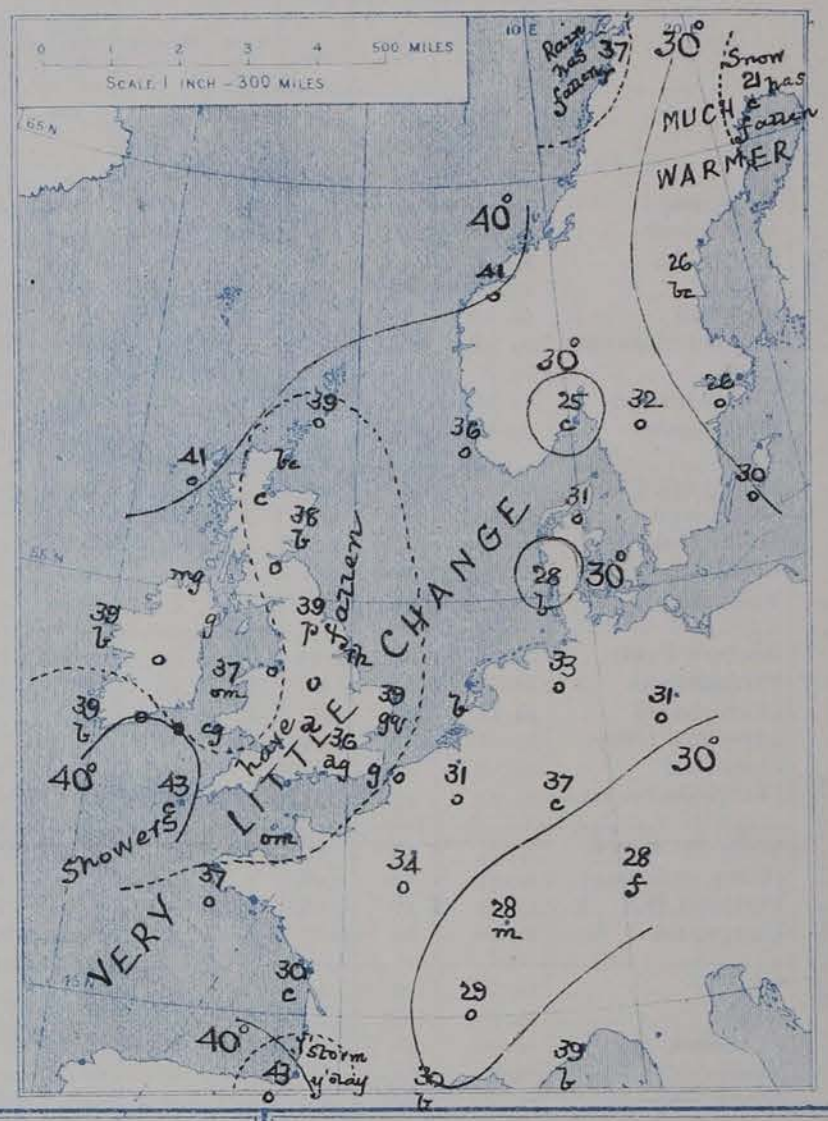


II. TEMPERATURE AND WEATHER. *This Morning*

TEMPERATURE.—Isotherms are drawn for each 10°

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

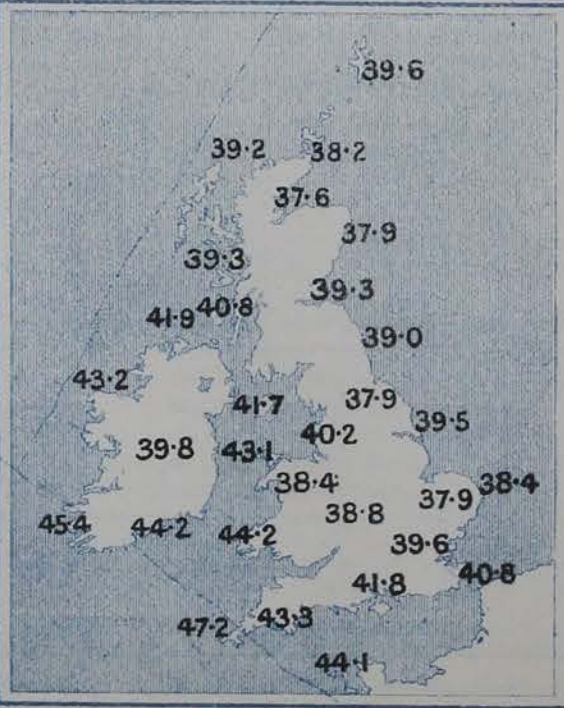
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus ·06



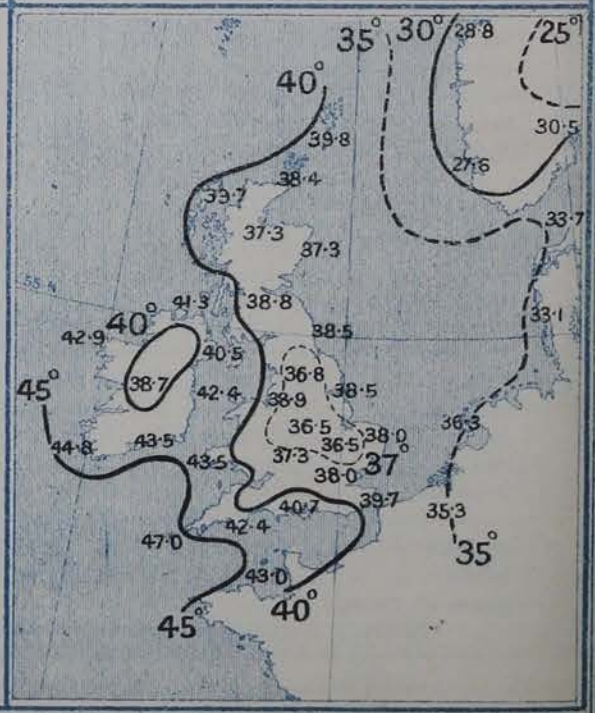
III. BAROMETER AND WIND

Yesterday morning.

IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMPERATURES *combined for the month of* DECEMBER. *(1871–1900.)*



V. *Means of* DAILY TEMPERATURE *at 8 A.M. for the Two monthly period* DECEMBER–JANUARY *(1871–1900)*



GENERAL SITUATION AT 8 A.M.

PRESSURE

The anticyclone recently noticed over Northern Europe has increased in height and has now extended over all but the extreme southwestern parts of the United Kingdom, the highest pressures, 30·4 ins. and upwards, being however still found over Sweden. The lowest readings, 29·8 ins. and less, are reported in a shallow depression over the Gulf of Genoa, but the barometer is also rather low, 30·0 ins. and less, in a deeper disturbance off the coasts of Finmark. In the neighbourhood of each of these depressions the barometer is falling but in all other parts of Western Europe it is rising slowly.

WIND

The wind is NE'ly over Denmark, Germany, the Netherlands and the south of Sweden, and E'ly or S.E'ly over England, Ireland and the north of France, but is S'ly. or S.W'ly. in the north of Scotland and W'ly. in the west of Norway.– In the south of France it is calm or light from the S.W.

TEMPERATURE

Temperature has risen in Ireland, Scotland and the west of Norway, fallen in Sweden and Denmark, changed irregularly elsewhere. Over Western Europe as a whole the readings differ but little from the average, being rather below 40° over the United Kingdom generally (only 29° at Nairn) but slightly above 40° on our extreme southwestern coasts, and also at Wick. Frost prevails at many of the Continental stations, and, although slight as a rule, is severe in the northern parts of Sweden, the reading at Haparanda being as low as – 6° Fah.

WEATHER AND SEA

The weather is fair at most of our own western stations, but is cloudy or dull elsewhere, with snow at Jersey and also at Brussels and Bodö. The sea is moderate or slight generally.

During yesterday the thermometer in many parts of England failed to touch 40°, while at Nairn it did not exceed 29°, the minimum at the latter place last night being as low as 20°. Little or no bright sunshine was registered over the eastern and central parts of the Kingdom, but fairly large amounts at some of our western stations, as much as 5·0 hours at Pembroke and 4·0 hours at Aberystwyth. Showers of rain or sleet fell in several isolated parts of the United Kingdom.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS*

For the 24 hours ending at NOON on 28TH DECEMBER, 1903

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	None issued.	6 SCOTLAND WEST	None issued.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W	
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	None issued.

Note.– The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.					This Morning 8 a.m.									Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind Direc^n	Wind Force	Weather.	Barometer. Ins.	Barometer. Change	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direc^n	Wind Force	Weather.	Sea.	Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	og	*	41	35	c, o	0·2	–
Bath	29·99	38	NE	3	bc	30·12	+09	35	34	-2	NE	2	o	*	39	29	–	0·0	–

REPORTS FOR YESTERDAY.

STATIONS.	Temperture F. Max.	Temperture F. Min.	Weather.	Sunshine Hrs.	Rainfall. Ins.	STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine Hrs.	Rainfall. Ins.
Southport, to 9 p.m.... ...	40°	30°	c, b, o	2·4	–	Broadstairs...	*	*	*		*
Rhyl, to 6 p.m.	*	*	*		*	Margate	40	37	c	0·0	0·05
Llandudno...	*	*	*	1·2	*	Lowestoft, to 6 p.m. Not rec^d					
Bettws-y-Coed, to 6 p.m. ...	38	28	cb, b, om	0·3	*	Skegness	*	*	*	0·0	*
Aberystwyth, to 6 p.m. ...	42	34	c	4·0	–	Scarborough, to 6 p.m. Not rec^d					
Plymouth, to 9 p.m.... ...	40	33	bc	3·0	–	Harrogate, to 6 p.m. ...	39	33	ors, c	0·2	0·05
Worthing	*	*	*	0·0	*	Manchester, to 9 p.m. Not rec^d					
Brighton		*	*		*	Darwen, to 9 p.m.	37	31	om, c, om	0·0	–
Eastbourne, to 6 p.m. ...		*	*		*	Birmingham, to 9 p.m. ...	38	32	o	0·0	–
Hastings		*	*	0·0	*						

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 26th Decr 1903.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	STATIONS.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.
Copenhagen	37	34	m, o	–	Algiers	57	48	o, c	0·04
Utrecht...	32	30	m, m	–	Tunis	59	39	c, o	–
Groningen	32	27	o, s	–	Madeira (Funchal)	Not	rec^d		
Vienna	34	28	s, o	0·20	25th Decr 1903.	1 p.m.		1 p.m.	Measured 7 a.m.
Marseilles	50	28	o, b	–	Geneva	34	*	m	–
Florence	47	39	b, f	0·12	Berne	27	*	m	–
Rome	57	48	r, o	1·14	Coire	30	*	o	–
Naples	55	46	o, o	0·28	Castasegna	36	*	o	–
Palermo	62	41	c, o	–	Lugano	41	*	o	–
Malta	Not	rec^d			Davos	28	*	o	–

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.‡ (W.B.T.)	6 p.m.
Holland	8 a.m. („ „)	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores: Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores: Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

27th Dec, 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	8.6	11.54	3.43
Greenwich	8.8	12.1	3.55
Wick	9.5	12.13	3.21
Valencia	8.51	12.42	4.34

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
„ Weekly „ „ „ £1 10 0 „ Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Tuesday, 29th December, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. **W. N. SHAW**, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M. S. L. Ins.	Barometer. Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Temperature. Change since Yesterday. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Temp. Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.90	28	S	2	0	29.93	− .11	30	28	+ 9	X	0	c	*	30	16	–	*	–
	Hernösand ...	30.21	35	X	0	3c	30.15	− .13	37	34	+ 11	NW	4	3c	*	39	23	–	*	–
	Stockholm ...	30.33	28	W	2	0	30.22	− .14	31	30	+ 5	W	2	0	*	31	23	–	*	–
	Wisby	30.39	33	S	2	0	30.26	− .15	34	33	+ 4	N	4	0	*	34	28	–	*	–
	Karlstad	30.39	24	NW	2	3c	30.31	− .15	20	19	− 2	WNW	2	0	*	*	*	–	*	–
	Færder (X'iania Fjord)	30.32	25	NNW	1	3	30.36	− .11	23	23	− 2	N	2	m	1	25	23	–	*	–
	Bodö	30.06	41	WSW	6	0	30.10	− .15	42	39	+ 5	W	6	0	3	42	23	–	*	–
	Christiansund ...	30.37	39	SW	3	c	30.32	− .07	38	35	− 3	W	2	3c	3	41	37	–	*	–
	Skudesnaes ...	30.46	35	SSE	2	c	30.38	− .08	35	33	− 1	S	2	3c	2	36	32	3,c	*	*
BRITISH ISLANDS.	Sumburgh Head	30.20	39	SE	3	3c	30.15	− .15	41	37	+ 2	S	4	0	6	41	36	0,3c	*	0.02
	Stornoway	30.04	42	SW	7	0	30.04	− .14	39	35	− 2	SW	6	3c	6	42	31	0	0.0	–
	Malin Head ...	30.02	37	SSE	4	0gm	30.03	− .12	36	35	0	SE	3	0	2	37	35	0,0gm	*	–
	Blacksod Pt. ...	29.88	39	SE	5	3	29.91	− .16	39	37	0	SE	5	3	4	41	37	3	*	–
	Valencia	29.89	44	ESE	5	c	29.83	− .20	44	40	+ 5	SE	3	c	4	46	38	cm,c	2.7	0.01
	Roche's Point ...	29.98	45	ESE	5	0	29.90	− .18	45	42	+ 5	SE	5	0g	4	45	40	c,0g	*	0.01
	Parsonstown ...	30.00	38	SE	2	r	30.01	− .12	37	36	+ 1	E	1	0u	*	40	35	3c,0,r	1.3	–
	Donaghadee ...	30.10	42	SSE	4	0	30.08	− .10	39	35	− 1	SSE	5	0	4	42	39	–	*	–
	Liverpool Obsy.	30.18	36	ESE	2	0	30.13	− .07	32	31	− 4	ESE	4	0	?	37	32	0m	*	–
	Holyhead ...	30.13	37	E	3	0m	30.08	− .09	34	33	− 3	E	2	c	1	38	32	0,0m	*	–
	Pembroke (St. Ann's)	30.07	37	E	4	c	29.97	− .13	37	35	0	E	5	0gm	4	41	35	–	0.0	–
	Scilly (St. Mary's)...	29.99	43	ESE	4	c	29.86	− .13	43	40	0	ESE	4	0	3	44	39	0hp,c	0.0	0.09
	Jersey (St. Aubins)...	30.03	36	ENE	5	0gm	29.92	− .15	35	33	− 2	ENE	4	0m	3	38	34	0gm	0.0	–
	Portland Bill ...	30.08	38	ENE	4	0	29.96	− .14	35	34	− 1	ENE	5	0	4	39	34	0m,0	*	–
	Dungeness ...	30.13	38	E	6	0	30.05	− .09	30	29	− 8	ESE	6	c	4	39	29	0	0.0	–
	Wick	30.15	40	S	4	c	30.06	− .19	39	37	− 1	S	3	3c	2	40	37	–	*	–
	Nairn	30.18	35	X	0	c	30.09	− .16	32	31	− 1	NW	1	3	1	36	28	–	*	–
	Aberdeen ...	30.24	37	S	3	c	30.17	− .14	39	35	+ 1	SSE	4	0rhp	3	41	36	c,rsp,hp	0.1	0.05
	Leith	30.21	37	SE	1	0	30.17	− .10	34	31	− 2	SE	1	3c	*	38	33	–	*	–
	North Shields ...	30.23	38	SE	3	0	30.18	− .09	37	34	− 2	SE	3	0	3	40	34	p,0	*	–
	Spurn Head ...	30.02	38	ESE	5	c	30.14	− .07	36	35	− 2	ESE	5	c	4	39	34	cv	*	–
	Yarmouth ...	30.18	36	E	6	c	30.14	− .02	34	31	− 5	SE	6	3	5	39	32	c	*	–
	Nottingham ...	30.20	34	E	1	c	30.14	− .08	31	29	− 4	ESE	1	0	*	36	30	0,c	0.0	–
	Oxford	30.16	35	ENE	3	0	30.09	− .11	32	30	− 2	E	3	0	*	36	32	0	*	–
	London (Brixton)...	30.13	37	ENE	3	0	30.08	− .10	32	30	− 4	E	3	0	*	39	31	0gdp,0	0.0	0.02
GERMANY, &c.	The Scaw (Skagen)	30.45	33	NW	1	0	30.38	− .09	30	30	− 1	WSW	3	0	1	33	28	–	*	–
	Fanö	30.45	25	ENE	2	3	30.41	− .02	25	25	− 3	ENE	1	f	*	32	25	–	*	–
	Cuxhaven ...	30.40	33	E	3	3	30.38	+ .02	25	24	− 8	SE	1	3	*	34	25	–	*	–
	The Helder ...	30.28	30	ESE	3	3	30.24	− .02	24	23	− 7	ESE	3	3	1	36	23	–	*	–
	Brussels	*	*	*	*	*	30.14	− .04	19	18	− 12	ENE	3	3	*	33	19	–	*	–
	Berlin	30.41	26	ESE	1	0	30.39	+ .05	20	19	− 11	SE	2	3	*	34	19	–	*	–
	Frankfürt ...	30.28	24	E	2	3	30.23	+ .03	19	19	− 8	E	4	3	*	27	18	–	*	–
	Munich	30.11	21	NE	6	0	30.07	+ .05	9	8	− 19	E	7	3	*	28	9	–	*	–
FRANCE.	C. Gris Nez ...	30.09	31	ENE	3	m	30.05	− .04	23	23	− 9	ENE	3	3	3	32	23	–	*	–
	Brest	29.96	37	E	4	0	29.87	− .13	33	31	− 4	E	3	0	3	37	32	–	*	–
	Lorient	29.96	34	E	5	0	29.84	− .15	34	34	0	E	4	0	2	39	32	–	*	–
	Rochefort ...	29.91	33	E	5	c	29.82	− .13	30	29	0	ENE	4	3	*	36	28	c	*	–
	Biarritz	29.85	43	E	2	0	29.78	− .10	43	42	0	SE	3	c	1	50	39	–	*	–
	Paris	30.06	35	E	2	0	29.99	− .09	25	24	− 9	E	2	0	*	35	24	–	*	–
	Belfort	30.01	28	ENE	6	m	29.95	− .09	20	19	− 8	ENE	7	0	*	30	20	–	*	–
	Lyons	30.02	30	N	1	0	29.90	− .16	28	26	− 1	NNW	1	0	*	32	28	–	*	–
	Nice	29.83	44	X	0	3	29.81	− .05	37	35	− 2	ENE	2	3c	3	52	37	–	*	–
	Perpignan ...	29.88	39	W	2	c	29.82	− .12	37	36	+ 7	SW	2	0	*	45	30	–	*	–
SPAN. PEN.	Corunna																		*	
	Lisbon	29.91	45	NE	1	†	29.78	− .14	49	48	+ 8	SSW	2	0	*	49	41	–	*	0.04
	Azores (P. Delgada)																		*	
	" (Horta) ...	30.21	59	NW	3	3c	30.28	+ .17	56	51	− 7	X	0	0	2	66	55	–	*	0.04

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.* † *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

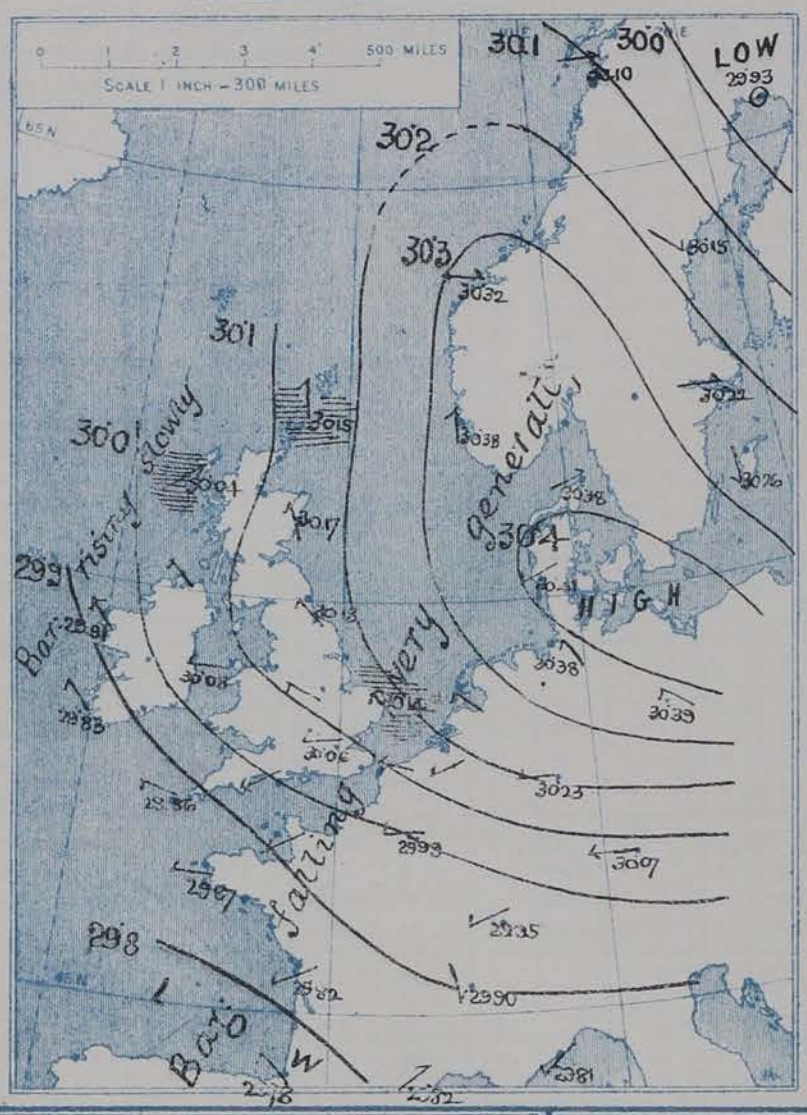
FOR Tuesday, 29th December, 1903.

I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ↠ ; *Force 5 to 7* ⟶ ; *Force 8 to 10* ↣ ; *Force 1 to 4* ⟶ ; } Calm ⊙

SEA.—Rough ▒ *High* ■



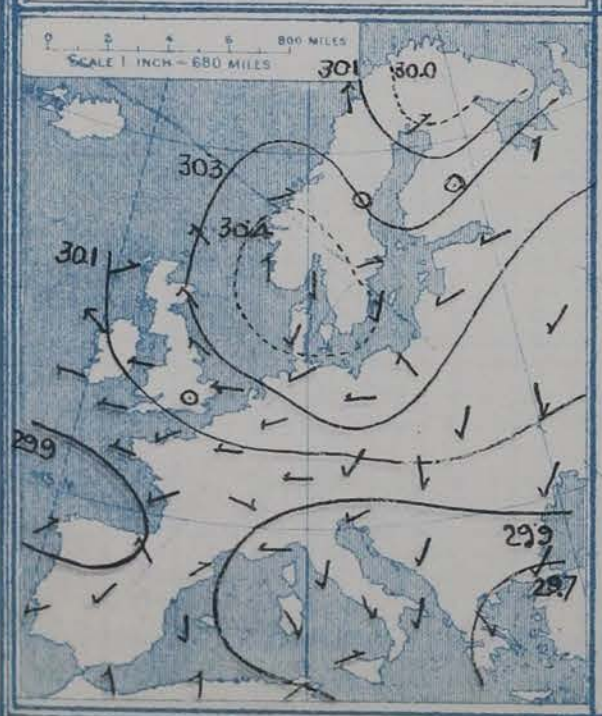
II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°
WEATHER.—Shown by Letters of the Beaufort Scale. *(See P. 4.)*

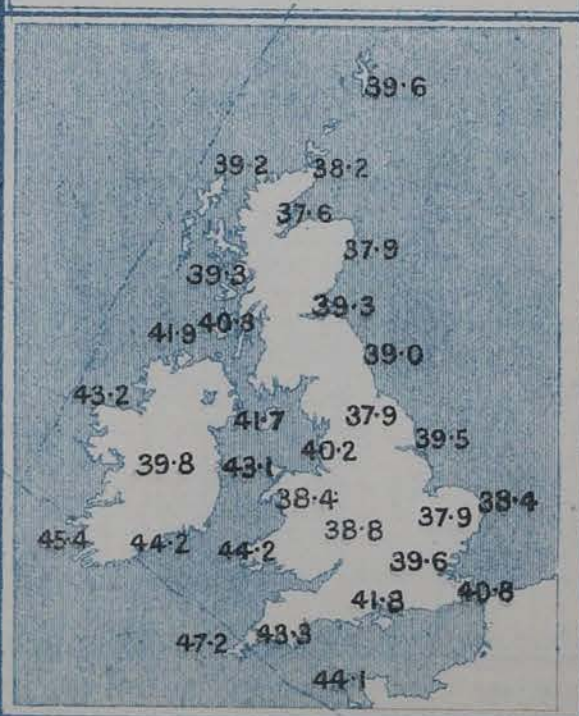
RAINFALL.— *A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus – 0·6*

III. BAROMETER AND WIND

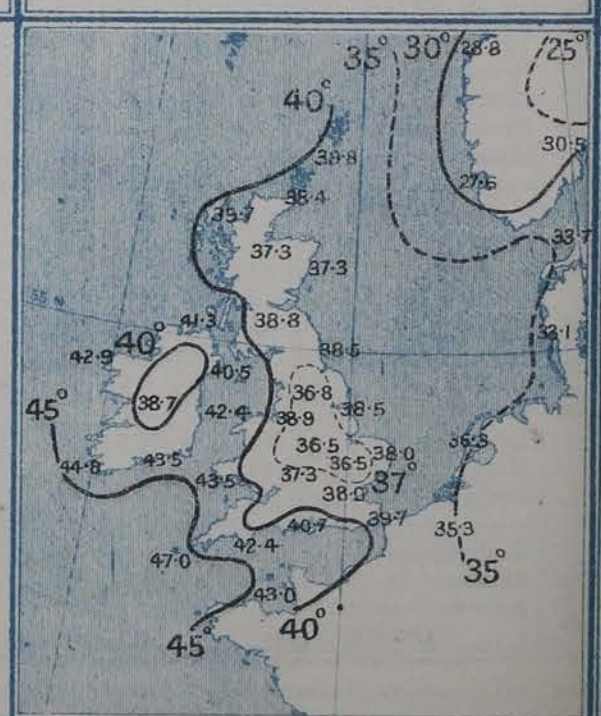
Yesterday morning.



IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMPERATURES *combined for the month of* DECEMBER. *(1871–1900.)*



V. *Means of* DAILY TEMPERATURE *at 8 A.M. for the Two monthly period* DECEMBER–JANUARY *(1871–1900)*



GENERAL SITUATION AT 8 A.M.

PRESSURE

An anticyclone, in which the highest readings, over 30·4 inches, are to be found over southern Scandinavia, still forms the dominant feature of the weather over North Western Europe. In our islands a small and very shallow low pressure system has formed over our South eastern counties. The disturbance which lay off the North-west coast of Norway yesterday morning, has moved eastward, and is now situated over Lapland.

WIND

Over Germany, France and the southern part of our islands the wind is easterly in direction; its intensity is moderate at most stations, but the small low pressure system noted above is causing a strong easterly wind at Yarmouth, and very light breezes over our midland counties. In the North of the Kingdom, the wind is South-easterly or southerly.

TEMPERATURE

Though the conditions are generally anticyclonic in character the weather is dull or cloudy over almost the whole of our area, only in the extreme west of Ireland is the sky free from cloud. Showers are reported from many east coast stations and in the south east of England a drizzling rain is falling in many places. Temperature remains low, and the changes since yesterday morning have been slight generally, but at Haparanda the change from a Northerly to a South-westerly wind has been accompanied by a rise of temperature from a minimum of -8° to the present reading of +21°.

WEATHER AND SEA

The sea is moderate or slight generally, but rather rough off the Coast of Norfolk.

During the past 24 hours no sunshine was experienced in England; in Wales and Scotland the amounts were small, and at Valencia as much as 4·5 hours were recorded. Showers fell in many places in England and the South west of Ireland, but the amount of rain measured was everywhere less than one tenth of an inch. The highest temperature recorded was 45° at the stations on our extreme western coasts, the lowest 25° at Parsonstown.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no signs of any definite change in the conditions now prevailing. The weather is likely to remain fair and cool but cloudy over the greater part of our Islands, but in the south and east a small low pressure system will cause drizzling rain at first.

FORECASTS*

For the 24 hours ending at NOON on 29th DECEMBER 1903

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	SE^ly to S^ly winds, light; fair generally, but dull.
2 ENGLAND N.E.	SE^ly to E^ly winds, moderate; dull, cod. some showers.
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	E^ly winds, fresh on coast, but light inland; dull and damp with some cold rain, improving later.
6 SCOTLAND WEST	Same as Nos 0. and 1.
7 ENGLAND N.W. 8 ENGLAND S.W	E^ly winds, moderate or light; fair but dull.
9 IRELAND NORTH	SE^ly winds, moderate; fair generally but cloudy.
10 IRELAND SOUTH	E^ly winds, moderate or light; fair generally, but cloudy.
WARNINGS	NONE ISSUED.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph; see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.					This Morning 8 a.m.									Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind Direc^n	Wind Force	Weather.	Barometer. Ins.	Barometer. Change	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direc^n	Wind Force	Weather.	Sea.	Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	og	*	40	35	orsp	0·0	0·02
Bath	30·04	37	NE	2	0	30·15		37	36		NE	1	0	*	37	34	–	0·0	–

REPORTS FOR YESTERDAY.

STATIONS.	Temperture F. Max.	Temperture F. Min.	Weather.	Sunshine Hrs.	Rainfall. Ins.	STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine Hrs.	Raintall. Ins.
Southport, to 9 p.m.... ...	38	34	c, bc, o	0·3	–	Broadstairs...	*	*	*		*
Rhyl, to 6 p.m.	*	*	*	1·8	*	Margate	40	*	o, os	0·0	*
Llandudno...	*	*	*	2·6	*	Lowestoft, to 6 p.m.... ...					
Bettws-y-Coed, to 6 p.m. ...	38	33	o, b, o	0·3	*	Skegness	*	*	*	0·0	*
Aberystwyth, to 6 p.m. ...	41	32	o, c	0·0	–	Scarborough, to 6 p.m. ...	41	*	o	0·0	*
Plymouth, to 9 p.m.... ...											
Worthing	*	*	*	0·0	*	Harrogate, to 6 p.m. ...	38	33	o, p, o	0·0	0·03
Brighton		*	*	0·0	*	Manchester, to 9 p.m. ...					
Eastbourne, to 6 p.m. ...		*	*	0·0	*	Darwen, to 9 p.m.	37	32	c, om	0·3	–
Hastings		*	*	0·0	*	Birmingham, to 9 p.m. ...	36	33	o, sp, o	0·0	–

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 27th Decr 1908.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	STATIONS.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.
Obsts not recd									
Copenhagen					Algiers				
Utrecht...					Tunis				
Groningen					Madeira (Funchal)				
Vienna					26th Decr	1 p.m.		1 p.m.	Measured 7 a.m.
Marseilles					Geneva	34	*	m	–
Florence					Berne	28	*	o	–
Rome					Coire	34	*	b	0·04
Naples					Castasegna	39	*	o	–
Palermo					Lugano	41	*	o	–
Malta					Davos	23	*	b	0·12

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.‡ (W.E.T.)	6 p.m.
Holland	8 a.m. („ „)	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores { Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

28th Dec., 1908.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	8.6	11.55	3.44
Greenwich	8.8	12.2	3.56
Wick	9.5	12.14	3.22
Valencia	8.51	12.43	4.35

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
„ Weekly „ „ „ £1 10 0 „ Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 30th December, **1903.**

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. **W. N. SHAW,** *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins.	Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Wet Bulb. °	Change since Yesterday. °	Wind. Direc.	Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	30·01	25	N	0	0	30·00	+·07	28	27	− 2	SW	2	0	*	32	23	–	*	0·04
	Hernösand ...	30·20	36	N	0	b	30·19	+·04	35	33	− 2	N	0	b	*	39	34	–	*	–
	Stockholm ...	30·24	30	W	2	0	30·23	+·01	28	27	− 3	W	2	bc	*	32	25	–	*	–
	Wisby	30·18	35	N	4	0	30·21	−·05	36	34	+ 2	N	2	0	*	36	27	–	*	0·08
	Karlstad	30·32	25	N	0	0	30·33	+·02	23	23	+ 3	N	2	b	*	*	*	–	*	–
	Færder (X'iania Fjord)	30·33	29	NNE	4	0	30·33	−·03	27	26	+ 4	N	4	b	1	29	21	–	*	–
	Bodö	30·13	40	SW	4	0	30·14	+·04	40	38	− 2	SSW	4	0	2	42	37	–	*	0·08
	Christiansund ...	30·34	37	S	3	c	30·30	−·02	40	35	+ 2	SE	2	0	3	40	36	–	*	–
	Skudesnaes ...	30·39	36	E	2	0	30·34	−·04	33	32	− 2	N	0	c	2	36	32	0	*	*
BRITISH ISLANDS.	Sumburgh Head	30·18	41	S	4	c	30·21	+·06	39	36	− 2	SSW	3	c	5	41	35	c	*	–
	Stornoway ...	30·15	39	S	6	0	30·14	+·10	34	32	− 5	WSW	2	bc	2	41	32	0	0·0	–
	Malin Head ...	30·13	35	ESE	4	0m	30·08	+·05	32	31	− 4	ESE	5	b	3	37	30	b, 0m	*	–
	Blacksod Pt. ...	30·07	39	SE	4	b	29·99	+·08	34	31	− 5	SE	5	bm	4	40	33	b	*	–
	Valencia	30·05	40	ENE	2	b	29·98	+·15	36	32	− 8	E	2	c	3	46	33	c, b	1·1	–
	Roche's Point ...	30·06	41	E	2	0g	30·02	+·12	38	36	− 7	ESE	4	0g	4	45	36	0, 0g	*	–
	Parsonstown ...	30·11	37	ESE	3	0	30·06	+·05	31	29	− 6	E	2	b	*	39	28	0	0·0	–
	Donaghadee ...	30·19	38	SE	4	c	30·16	+·08	38	34	− 1	SE	5	b	4	?39	37	–	*	–
	Liverpool Obsy.	30·19	32	NNE	2	b	30·19	+·06	30	28	− 2	E	1	b	0	33	27	0m, b	*	–
	Holyhead ...	30·14	32	E	3	b	30·11	+·03	32	30	− 2	E	3	b	2	35	29	b	*	–
	Pembroke (St. Ann's)	30·08	31	E	5	b	30·06	+·09	29	27	− 8	SE	4	bc	3	38	29	–	0·0	–
	Scilly (St. Mary's)...	29·96	40	ENE	5	0	29·93	+·07	39	36	− 4	ENE	5	0	3	44	36	0	0·0	–
	Jersey (St. Aubins)...	29·92	33	ENE	5	cm	30·00	+·08	29	27	− 6	E	4	bm	3	37	28	0, cm	1·2	–
	Portland Bill ...	30·00	31	ENE	5	c	30·02	+·06	30	29	− 5	ENE	5	c	3	?35	28	c	*	–
	Dungeness ...	30·03	34	ESE	5	cg	30·08	+·03	28	27	− 2	ESE	6	bc	4	34	26	c, cg	4·7	–
	Wick	30·19	37	S	2	bc	30·16	+·10	35	34	− 4	S	2	bc	1	39	25	–	*	–
	Nairn	30·20	29	N	0	b	30·21	+·12	20	19	− 12	N	0	b	0	35	18	–	*	–
	Aberdeen ...	30·24	38	S	3	c	30·27	+·10	31	30	− 8	WSW	2	bm	2	39	29	c	0·0	–
	Leith	30·21	32	E	1	bc	30·24	+·07	28	27	− 6	ESE	1	b	*	38	23	–	*	–
	North Shields ...	30·24	35	SSW	2	b	30·23	+·05	29	29	− 8	N	0	f	2	38	27	cm, b	*	–
GERMANY, &c.	Spurn Head ...	30·21	37	ESE	4	b	30·19	+·05	37	35	+ 1	E	5	bc	4	40	34	–	*	–
	Yarmouth ...	30·14	36	E	7	b	30·16	+·02	35	32	+ 1	E	7	b	6	36	33	bc, b	*	–
	Nottingham ...	30·18	30	E	1	b	30·18	+·04	30	30	− 1	ENE	1	b	*	34	27	b	4·0	–
	Oxford	30·15	28	E	3	b	30·13	+·04	26	25	− 6	NE	2	b	*	35	26	b	*	–
	London (Brixton)...	30·07	32	E	5	b	30·09	+·03	30	30	− 2	ESE	1	bcm	*	35	29	0, bc, b	0·2	–
	The Scaw (Skagen)	30·31	32	NE	2	bc	30·31	−·07	32	31	+ 2	ENE	1	c	0	36	28	–	*	–
	Fanö	30·40	29	N	0	0	30·31	−·10	28	28	+ 3	NW	1	b	*	36	25	–	*	–
	Cuxhaven ...	30·36	31	E	2	0	30·34	−·04	31	31	+ 6	E	1	0	*	32	25	–	*	–
	The Helder ...	30·25	26	E	4	b	30·28	+·04	26	25	+ 2	E	3	b	2	27	23	–	*	–
	Brussels	*	*	*	*	*	30·12	−·02	19	18	0	ENE	4	b	*	27	18	–	*	–
	Berlin	30·36	20	SE	3	b	30·34	−·05	19	18	− 1	S	1	c	*	25	16	–	*	–
	Frankfürt ...	30·19	21	E	3	b	30·17	−·06	?	?		E	2	b	*	27	16	–	*	–
	Munich	30·06	9	E	5	0	30·09	+·02	12	12	+ 3	E	5	s	*	14	9	–	*	–
FRANCE.	C. Gris Nez ...	30·02	25	ENE	5	b	30·05	·00	20	20	− 3	E	3	b	3	28	21	–	*	–
	Brest	29·88	35	E	3	0	29·90	+·03	30	29	− 3	E	3	0	3	36	28	–	*	–
	Lorient	29·84	33	E	5	0	29·89	+·05	28	?	− 6	E	4	b	2	43	27	–	*	–
	Rochefort ...	29·76	33	ENE	4	b	29·77	−·05	30	29	0	ENE	5	?	*	36	28	b	*	–
	Biarritz	29·69	48	E	1	0	29·70	−·08	36	36	− 7	ESE	3	0	1	53	34	–	*	–
	Paris	29·97	24	ENE	3	b	30·03	+·04	20	19	− 5	E	2	c	*	28	19	–	*	–
	Belfort	30·00	19	ENE	7	c	30·08	+·13	13	12	− 7	ENE	6	0	*	28	12	–	*	–
	Lyons	29·86	30	SW	6	c	30·02	+·12	23	22	− 5	NNW	1	c	*	32	23	–	*	–
	Nice	29·87	39	ENE	3	0	29·91	+·10	43	35	+ 6	ENE	2	0	3	45	37	–	*	0·20
	Perpignan ...	29·76	45	E	3	0	29·73	−·09	40	40	+ 3	SW	2	r	*	45	36	–	*	0·04
SPAN. PEN.	Corunna																		*	
	Lisbon	29·56	50	NW	5	c	29·74	−·08	49	46	0	NNE	4	b	*	54	46	–	*	0·75
	Azores (P. Delgada)																		*	
	" (Horta) ...	30·17	61	SSW	4	r	30·15	−·13	59	55	+ 3	NE	3	0	2	63	56	–	*	1·18

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

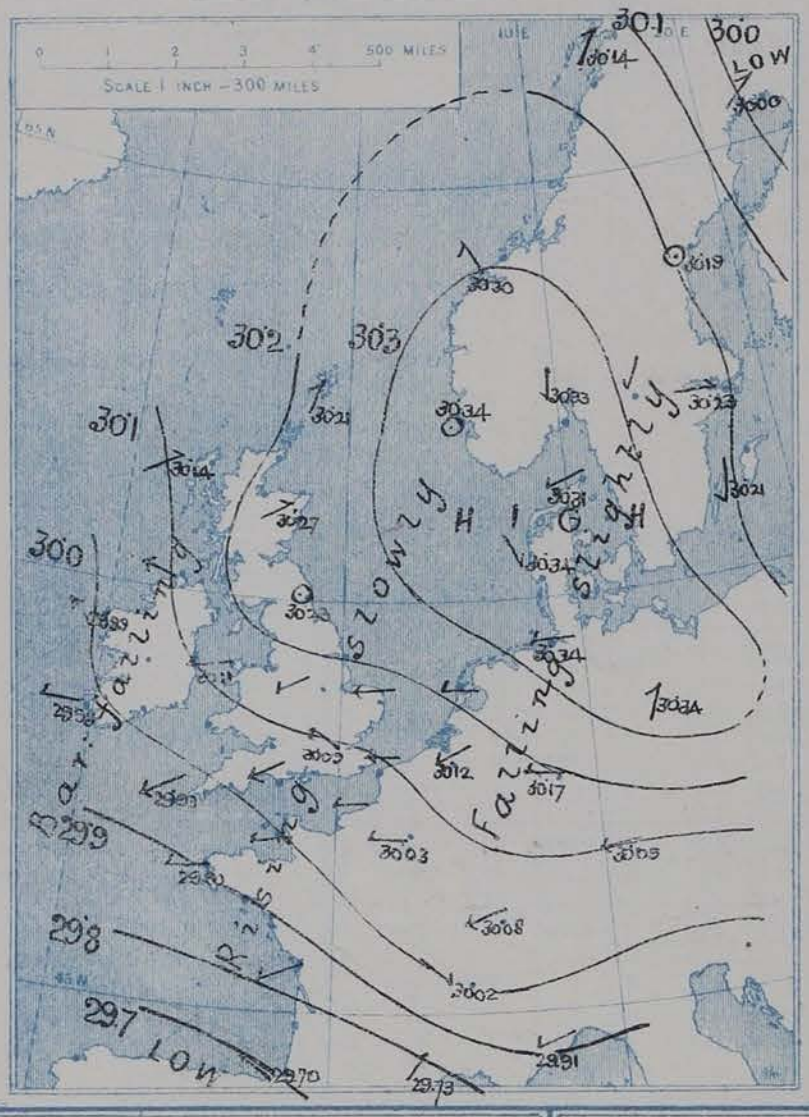
† *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR Wednesday, 30th December, 1903.

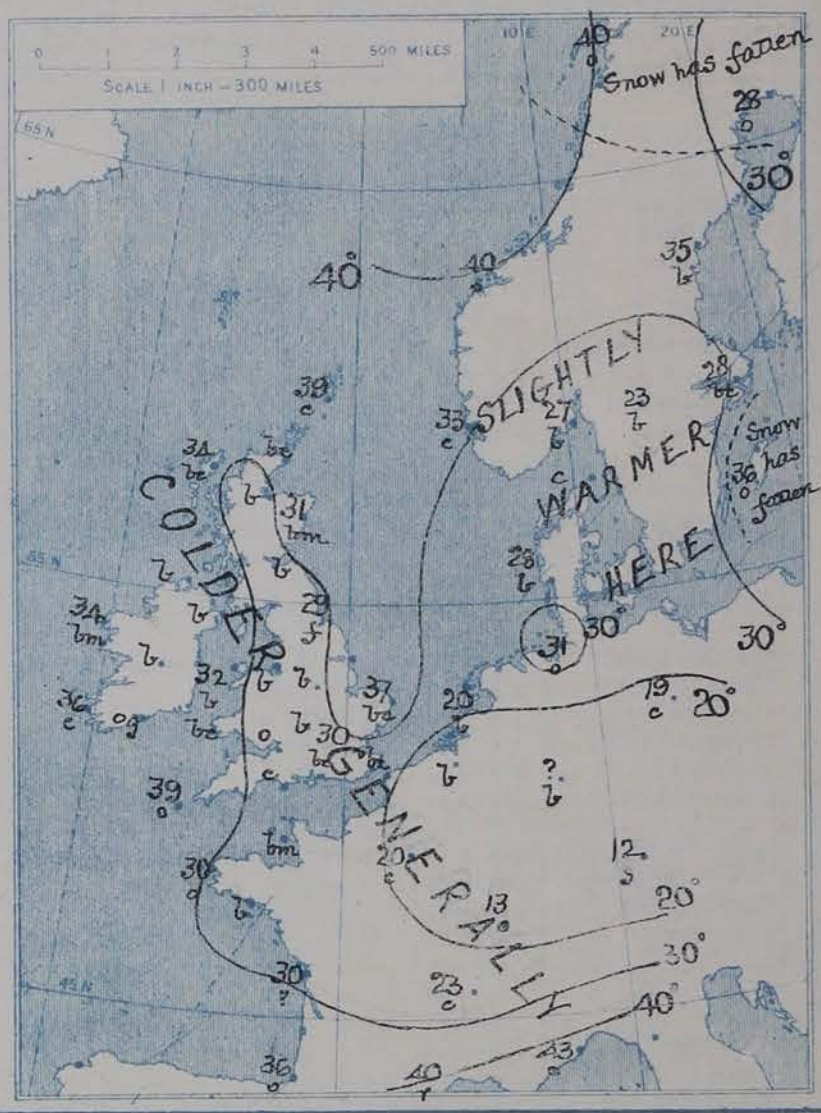
I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Direction and Force, flying with the wind.
Force above 10 — *Force 8 to 10* — *Force 5 to 7* — *force 1 to 4* — Calm
SEA.—Rough — *High*



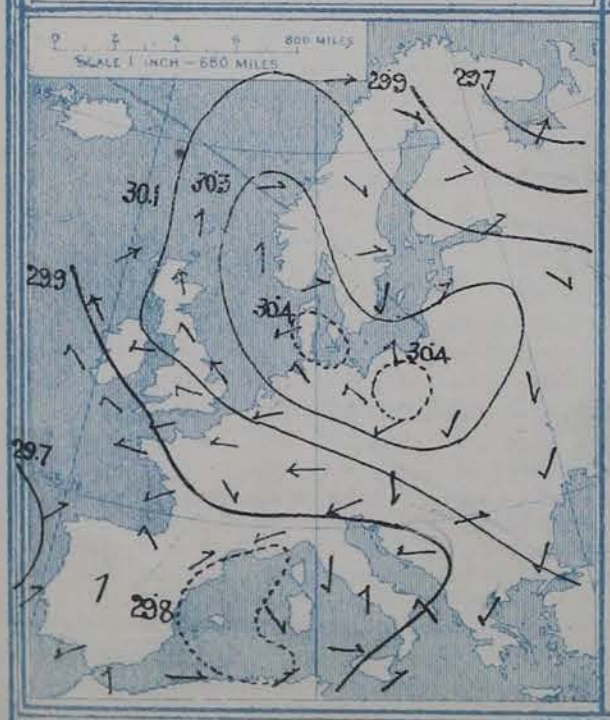
II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°
WEATHER.—Shown by Letters of the Beaufort Scale. *(See P. 4.)*
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus – 0·6

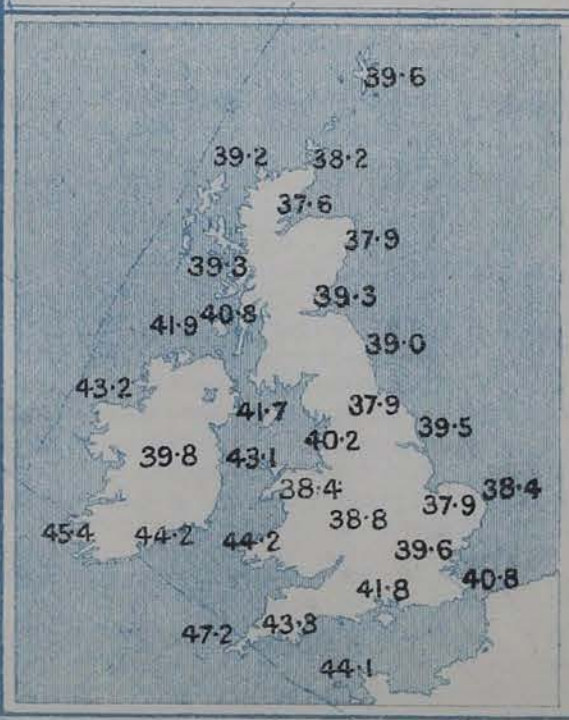


III. BAROMETER AND WIND

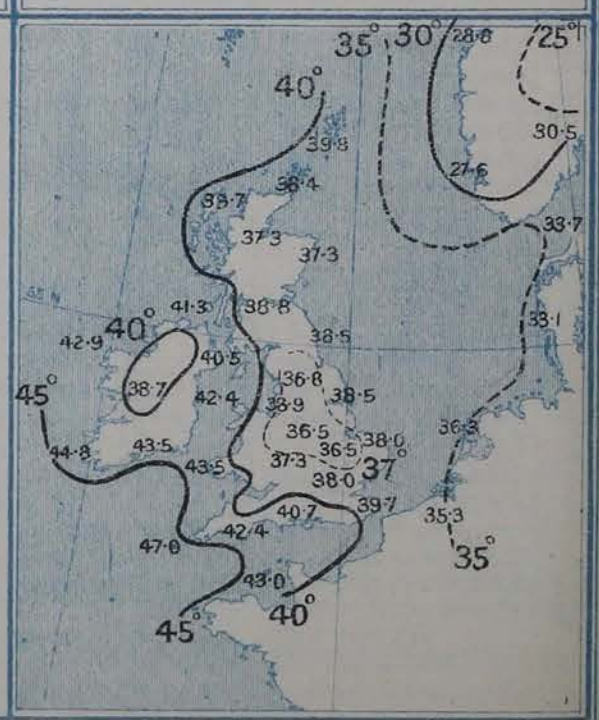
Yesterday morning.



IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMPERATURES *combined for the month of* DECEMBER. *(1871–1900.)*



V. *Means of* DAILY TEMPERATURE *at 8 A.M. for the Two monthly period* DECEMBER–JANUARY *(1871–1900)*



GENERAL SITUATION AT 8 A.M.

PRESSURE

The anticyclone which lay over Scandinavia yesterday has diminished slightly in intensity, and moved somewhat to the south. The highest pressure reported this morning is 30·41 ins. at Faro. The whole of our area is at present under the influence of this high pressure system; the lowest reading reported is 29·78 ins. at Biarritz. In our Islands the lowest reading is 29·83 ins. at Valencia, and on the northeastern side of the high pressure system it is 29·93 ins. at Haparanda.

WIND TEMPERATURE WEATHER AND SEA

The wind on the southern side of the highest pressure, i.e. over Germany, France and the south of England, is easterly; over Ireland and Scotland it is SE^{y} or S^{y}. In Norway it is blowing from the west, and in Sweden from the NW or N. An almost complete circulation round the region of highest pressure is thus shown. The sky is clear over Germany and Holland and at some of our east coast stations; further west it is cloudy or overcast. Much cloud also prevails over Scandinavia. Hail showers are reported from Aberdeen. The clear sky and E^{y} wind have caused a marked fall of temperature in Germany and Holland (Munich 9°). In England and Scotland the readings are also lower this morning than yesterday. At our extreme western stations the wind veered temporarily to the S during the night, and a distinct rise of temperature has taken place in those districts. One of the highest readings this morning is that at Bodö, within the Arctic Circle; the warm W^{y} wind there, causes the the thermometer to stand at +2°. The sea is rather rough off Yarmouth and also off the north of Scotland; elsewhere it is moderate or slight.

During the past 24 hours the sky remained overcast generally; only in the west was any sunshine recorded. Occasional showers of rain, hail or sleet, fell in various parts of the country. In the southeast, a drizzling rain fell during the early part of the day.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no decided indications of the approach of fresh disturbances from the west, and the E^{y} type of pressure distribution now prevailing is likely to continue. The cold weather which has set in on the Continent will probably spread to our Islands.

FORECASTS*

For the 24 hours ending at NOON on 30TH December, 1903

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	S^{y} to SW^{y} winds, moderate or fresh; changeable, some showers.	6 SCOTLAND WEST	Same as Nos. 1 & 2
1 SCOTLAND EAST	SE^{y} winds, moderate or fresh, fair generally, local cold showers.	7 ENGLAND N.W.	E^{y} winds, moderate; fair generally. Cold.
2 ENGLAND N.E.		8 ENGLAND S.W	Same as No. 5.
3 ENGLAND EAST	SE^{y} to E^{y} winds, fresh on coast, moderate or light inland; fair generally. Colder.	9 IRELAND NORTH	SE^{y} winds, moderate or fresh; fair generally. Cold.
4 MIDLAND COUNTIES		10 IRELAND SOUTH	SE^{y} winds; cloudy or dull, some showers.
5 ENGLAND SOUTH	E^{y} winds, moderate or fresh; fair generally, but local snow showers. Colder.	WARNINGS	At 7.20 p.m. yesterday to districts 6, 7, 9, 10 and part of 0. "Hoist South Cone," and at 10.0 am. to districts 6, 7, 9 and part of 0, "Lower Cone."

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph; see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.					This Morning 8 a.m.									Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind Direc^n	Wind Force	Weather.	Barometer. Ins.	Barometer. Change	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direc^n	Wind Force	Weather.	Sea.	Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	b	*	39	31	09	0·0	–
Bath	30·09	33	NE	2	c	30·05	– ·10	33	31	– 4	E	1	o	*	37	31	–	0·0	–

REPORTS FOR YESTERDAY.

STATIONS.	Temperture F. Max.	Temperture F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.
Southport, to 9 p.m.... ...	37	34	o	0·0	–	Broadstairs...	*	*	*		*
Rhyl, to 6 p.m.	*	*	*	0·0	*	Margate	39	36	c	0·0	0·02
Llandudno...	*	*	*		*	Lowestoft, to 6 p.m.... ...					
Bettws-y-Coed, to 6 p.m. ...	37	34	o	0·0	*	Skegness	*	*	*	0·0	*
Aberystwyth, to 6 p.m. ...	40	36	bc	5·0	–	Scarborough, to 6 p.m. ...					
Plymouth, to 9 p.m.... ...	40	36	ou	0·0	–	Harrogate, to 6 p.m. ...	37	33	o	0·0	–
Worthing	*	*	*	0·0	*	Manchester, to 9 p.m. ...	40	34	od, ors	0·0	0·01
Brighton	37	*	*	0·0	*	Darwen, to 9 p.m.	35	31	om, rs, om	0·0	0·02
Eastbourne, to 6 p.m. ...	40	*	*	0·0	*	Birmingham, to 9 p.m. ...	35	33	o	0·0	–
Hastings	*	*	*	0·0	*						

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 28th Decr. 1903.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	STATIONS.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.
Copenhagen	32	28	o, o	–	Algiers	59	45	o, bc	–
Utrecht...	37	27	o, m	–	Tunis	55	46	bc, o	–
Groningen	32	30	o, m	–	Madeira (Funchal)	Not	recd		
Vienna	34	21	o, o	0·08	27th Decr. 1903.	1 p.m.		1 p.m.	Measured 7 a.m.
Marseilles	43	30	o, m	–	Geneva		*		
Florence	49	41	o, b	0·04	Berne		*		
Rome	51	44	o, c	–	Coire		*		
Naples	54	46	o, c	–	Castasegna		*		
Palermo	61	46	c, o	0·28	Lugano		*		
Malta	58	50	c	0·08	Davos		*		

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.‡ (W.E.T.)	6 p.m.
Holland	8 a.m. (" ")	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores { Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

29th Decr. 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	8·6	11·55	3·45
Greenwich	8·8	12·2	3·57
Wick	9·5	12·14	3·23
Valencia	8·51	12·43	4·36

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly , " " £1 10 0 " Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. Smith & Sons' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Thursday, 31st December, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins.	Barometer. Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Temperature. Change since Yesterday. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Temp. Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	30·07	23	N	0	b	30·08	+·08	26	25	− 2	W	2	c	*	30	15	–	*	–
	Hernösand ...	30·23	29	N	0	b	30·25	+·06	31	30	− 4	N	0	b	0	37	28	–	*	–
	Stockholm ...	30·28	27	N	0	0	30·28	+·05	25	24	− 3	W	2	b	*	30	25	–	*	–
	Wisby	30·26	36	N	2	0	30·28	+·07	35	33	− 1	N	4	0	*	36	30	–	*	–
	Karlstad	30·32	19	N	2	b	30·35	+·02	17	16	− 6	N	2	b	*	*	*	–	*	–
	Færder (X'iania Fjord)	30·34	26	N	4	b	30·38	+·05	24	23	− 3	N	4	b	2	27	23	–	*	–
	Bodö	30·08	41	WSW	1	0	30·15	+·01	41	40	+ 1	SW	4	0	2	41	37	–	*	–
	Christiansund ...	30·31	40	SE	1	0	30·31	+·01	35	33	− 5	ESE	1	b	3	40	34	–	*	–
	Skudesnaes ...	30·32	32	N	0	b	30·32	−·02	33	32	0	E	2	b	1	36	30	o,b	*	*
BRITISH ISLANDS.	Sumburgh Head	30·15	40	S	3	bc	30·12	−·09	40	38	+ 1	SSE	4	0	5	41	37	bc	*	–
	Stornoway ...	30·02	35	WSW	1	b	29·93	−·21	40	37	+ 6	SSE	3	b	3	41	32	b	3·2	–
	Malin Head ...	29·94	34	SE	2	bm	29·81	−·27	34	32	+ 2	SE	5	b	2	?36	32	b,bm	*	–
	Blacksod Pt. ...	29·81	36	SE	5	b	29·69	−·30	35	32	+ 1	SE	6	bc	5	37	33	b	*	–
	Valencia	29·71	41	E	4	og	29·54	−·44	43	40	+ 7	ESE	6	o	5	44	35	og	1·4	0·14
	Roche's Point ...	29·80	41	ESE	5	og	29·65	−·37	43	40	+ 5	ESE	6	og	4	43	38	o,og	*	–
	Parsonstown ...	29·88	31	E	3	b	29·74	−·32	33	32	+ 2	E	5	cg	*	38	28	b	5·3	–
	Donaghadee ...	30·01	40	SE	5	b	29·89	−·27	39	35	+ 1	S	5	cgg	5	40	37	–	*	–
	Liverpool Obsy.	30·03	31	ESE	4	b	29·91	−·28	30	29	0	ESE	2	bc	?	39	26	–	*	–
	Holyhead ...	29·95	34	E	4	b	29·84	−·27	32	30	0	E	3	b	2	36	29	bc,b	*	–
	Pembroke (St. Ann's)	29·89	36	ESE	6	c	29·75	−·31	32	31	+ 3	E	6	ogm	5	37	29	–	2·9	–
	Scilly (St. Mary's)...	29·78	41	ESE	5	o	29·59	−·34	42	39	+ 3	ESE	5	o	6	42	36	o	0·0	–
	Jersey (St. Aubins)...	29·86	33	E	4	bm	29·72	−·28	32	31	+ 3	ENE	3	bm	3	34	29	bc,bm	5·0	–
	Portland Bill ...	29·90	33	E	5	o	29·77	−·25	30	29	0	ENE	5	c	4	34	28	c	*	–
	Dungeness ...	29·97	29	ENE	5	bc	29·86	−·22	25	25	− 3	ESE	5	c	3	32	25	bc	3·8	–
	Wick	30·09	39	S	4	b	?30·01	−·15	40	39	+ 5	S	4	o	1	42	34	–	*	0·01
	Nairn	30·10	27	N	0	b	30·02	−·19	35	34	+ 15	ESE	1	b	1	35	18	–	*	–
	Aberdeen ...	30·16	37	SSE	3	o	30·06	−·21	39	37	+ 8	SSE	4	op	3	39	29	c	0·0	0·05
	Leith	30·09	37	E	1	o	29·99	−·25	37	36	+ 9	E	1	bc	*	38	27	–	*	–
	North Shields ...	30·13	39	ESE	4	o	30·00	−·23	39	37	+ 10	ESE	4	o	3	40	28	f,o,r	*	0·03
	Spurn Head ...	30·08	35	E	6	b	29·95	−·24	37	35	0	E	6	bc	5	38	34	–	*	–
	Yarmouth ...	30·04	36	E	8	b	29·89	−·27	34	32	− 1	ESE	6	cg	6	37	32	b	*	–
	Nottingham ...	30·06	31	ENE	2	b	29·92	−·26	31	30	+ 1	ESE	3	o	*	35	28	b	5·0	–
	Oxford	29·98	30	ENE	3	o	29·87	−·26	29	29	+ 3	NE	3	o	*	34	24	b,o	*	–
	London (Brixton)...	29·97	32	ESE	4	o	29·86	−·23	29	28	− 1	E	3	o	*	36	27	bm,o	1·0	–
GERMANY, &c.	The Scaw (Skagen)	30·32	31	ENE	2	m	30·34	+·03	28	28	− 4	NE	2	f	0	34	26	–	*	–
	Fanö	30·28	31	E	2	s	30·28	−·03	30	27	+ 2	ENE	4	o	*	34	27	–	*	–
	Cuxhaven ...	30·28	31	S	1	o	30·20	−·14	30	29	− 1	E	5	o	*	32	27	–	*	–
	The Helder ...	30·14	28	E	3	b	29·99	−·29	24	23	− 2	E	4	b	2	28	23	–	*	–
	Brussels	*	*	*	*	*	29·88	−·24	17	17	− 2	ENE	1	b	*	26	16	–	*	–
	Berlin	30·29	27	N	0	f	30·25	−·09	28	27	+ 9	E	2	s	*	28	19	–	*	–
	Frankfürt ...	30·12	19	NE	2	b	30·01	−·16	18	18		NE	1	b	*	25	16	–	*	–
	Munich	30·02	15	E	5	o	29·93	−·16	15	15	+ 3	E	5	o	*	18	12	–	*	–
FRANCE.	C. Gris Nez ...	29·96	23	ENE	3	b	29·84	−·21	18	18	− 2	ENE	3	s	3	27	18	–	*	–
	Brest	29·59	33	E	2	b	29·60	−·30	36	34	+ 6	NE	2	bc	3	39	28	–	*	–
	Lorient	29·75	35	ENE	4	b	29·62	−·27	32	32	+ 4	ENE	4	c	4	37	28	–	*	–
	Rochefort ...	29·73	35	E	4	r	29·62	−·15	34	33	+ 4	E	4	o	*	36	28	r	*	0·16
	Biarritz	29·66	45	W	3	r	29·62	−·08	46	44	+ 10	SW	5	o	4	46	36	–	*	0·43
	Paris	29·95	23	ENE	2	b	29·82	−·21	15	15	− 5	NE	2	b	*	29	15	–	*	–
	Belfort	29·98	15	ENE	6	m	29·91	−·17	14	13	+ 1	ENE	5	m	*	20	13	–	*	–
	Lyons	29·91	26	NNW	1	o	?29·79	−·23	24	22	+ 1	N	1	o	*	30	23	–	*	–
	Nice	29·82	44	ENE	6	r	29·71	−·20	38	37	− 5	E	7	r	7	46	37	–	*	0·20
	Perpignan ...	29·57	47	N	0	r	29·54	−·19	41	39	+ 1	NW	2	o	*	48	40	–	*	2·64
SPAN. PEN.	Corunna																		*	
	Lisbon														*				*	
	Azores (P. Delgada)																		*	
	,, (Horta) ...	30·23	56	WNW	5	c	30·28	+·13	52	46	− 7	N	0	o	2	64	52	–	*	–

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

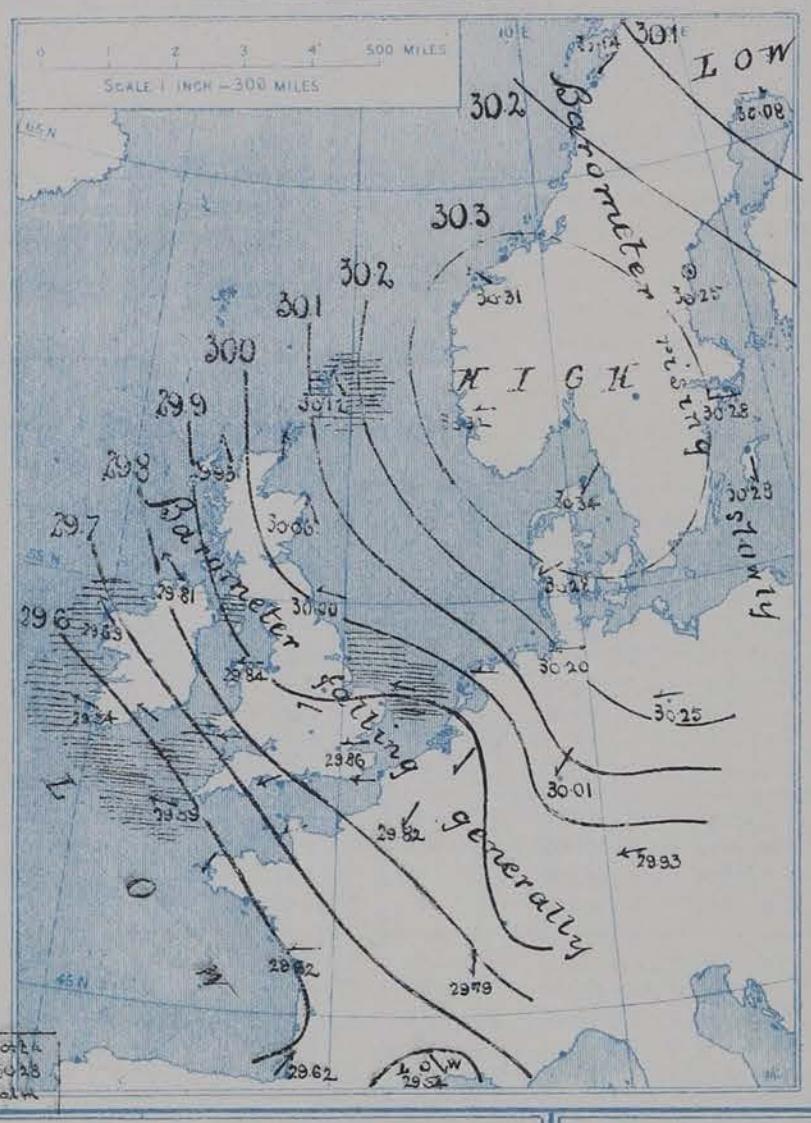
* *Observations for this column not generally received.* † *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR Thursday, 31st December, 1903.

I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.
Force above 10 — *Force 5 to 7* — Calm
Force 8 to 10 — *Force 1 to 4*
SEA.—Rough — *High*



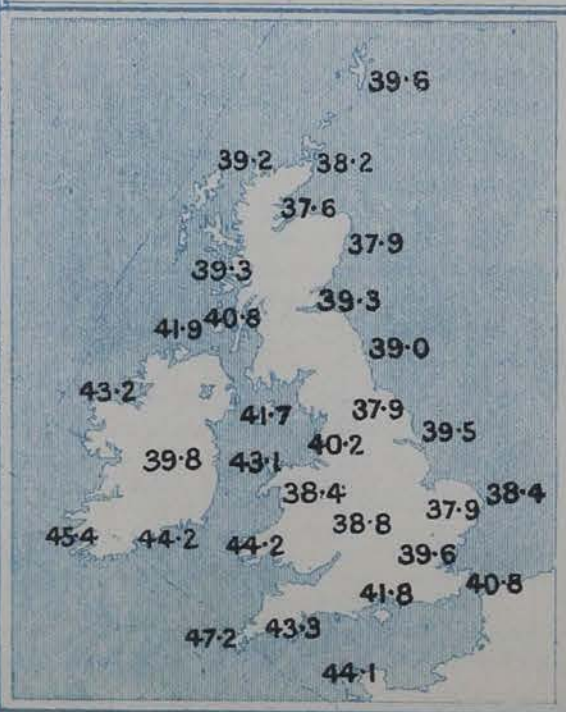
II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°
WEATHER.—Shown by Letters of the Beaufort Scale. *(See P. 4.)*
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus – 0·6

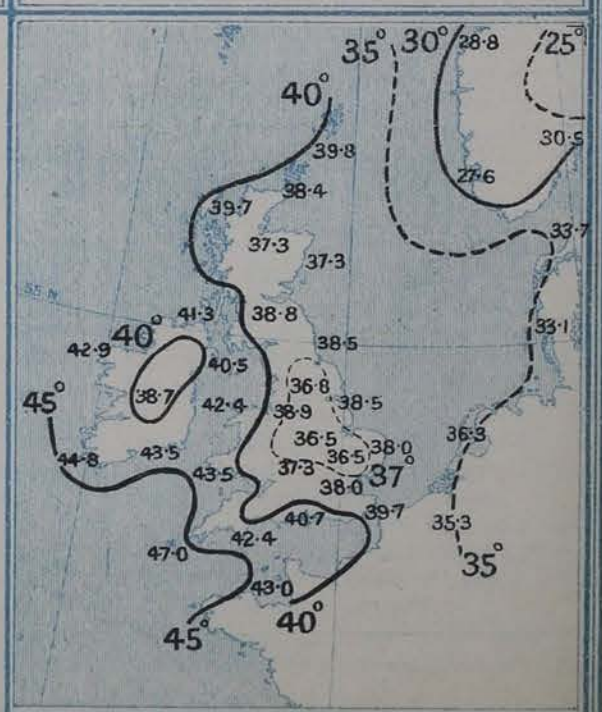
III. BAROMETER AND WIND

Yesterday morning.

IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMPERATURES *combined for the month of* DECEMBER. *(1871–1900.)*



V. *Means of* DAILY TEMPERATURE *at 8 A.M. for the Two monthly period* DECEMBER–JANUARY *(1871–1900)*



GENERAL SITUATION AT 8 A.M.

PRESSURE

The anticyclone in the east, which has formed the chief feature of the weather over our area for the last few days still maintains its position. The highest reading reported this morning is 30·34 ins. in northern Germany. A fall of the barometer has set in at our most western stations; the lowest reading of the barometer in our Islands is 29·93 ins. at Scilly. Low pressure systems are shown over Spain and Lapland; in the former country the barometer stands below 29·7 ins.

WIND

A brisk E^ly movement of the air is still taking place over Germany, France and the southern half of our Islands. In Scotland the wind is light from the S or SW. The weather is fine and dry over north Germany and the greater part of our Islands; at our extreme southwestern stations and in France, the sky is overcast. Rain is falling at Perpignan and snow at Munich.

TEMPERATURE

Temperature has fallen decidedly over our Islands, many of the readings are now under 30°, and at Nairn the thermometer stands at 20°. On the Continent changes have been slight, but the temperature remains low generally. In the north of Norway readings are still at 40°.

WEATHER AND SEA

A strong E^ly wind is causing a rough sea at Yarmouth, elsewhere the sea disturbance is moderate or slight.

No precipitation either in the form of rain or snow fell in the United Kingdom during the past 24 hours. The amount of bright sunshine recorded varied up to 5½ hours. Temperature remained below 40° generally, only in the extreme north and west was this limit exceeded. During the night the thermometer fell decidedly, the lowest air temperature experienced was 18° at Nairn, and in London the minimum temperature recorded on the grass was 24°. Slight snow fell in the extreme north and west of Scandinavia, and rain on the shores of the Mediterranean. Heavy rain is reported from the Azores.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no indications of a change in the conditions now prevailing over England. The fall of the barometer which has set in in the west is probably due to the approach of a disturbance which will affect our western coasts during the next 24 hours. The disturbance in the southwest is apparently moving towards the Mediterranean.

FORECASTS*

For the 24 hours ending at NOON on 31ST DECEMBER. 1903

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	S^ly to SW^ly breezes; freshening; fair at first, less settled later.
1 SCOTLAND EAST	Light variable breezes; fine and cold.
2 ENGLAND N.E.	Light E^ly breezes; fine, cold and dry.
3 ENGLAND EAST	E^ly winds, fresh on coast, moderate or light inland; fine, cold and dry.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	

DISTRICTS.	FORECASTS.
6 SCOTLAND WEST	Same as No. 0.
7 ENGLAND N.W.	E^ly to SE^ly winds, moderate or light; fine, cold, dry.
8 ENGLAND S.W.	E^ly winds, moderate or fresh; fine, cold, dry.
9 IRELAND NORTH	Wind becoming SE^ly to S^ly fresh; fine and cold at first, less settled and warmer later.
10 IRELAND SOUTH	
WARNINGS	The South Cone is still up in district 10.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.					This Morning 8 a.m.									Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind Direc.	Wind Force	Weather.	Barometer. Ins.	Barometer. Change	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direc.	Wind Force	Weather.	Sea.	Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	b	*	36	?31	b	4·4	-
Bath	30·09	28	E	3	bc	30·08	+·03	28	28	- 5	NE	2	o	*	34	?27	-	0·0	-

REPORTS FOR YESTERDAY.

STATIONS.	Temperture F. Max.	Temperture F. Min.	Weather.	Sunshine Hrs.	Rainfall. Ins.	STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine Hrs.	Rainfall. Ins.
Southport, to 9 p.m.... ...	35°	27°	o, c	0·0	-	Broadstairs...	*	*	*		*
Rhyl, to 6 p.m.	*	*	*	0·2	*	Margate	37	29	b	5·5	-
Llandudno...	*	*	*	1·0	*	Lowestoft, to 6 p.m.... ...	35	31	bc, b	5·0	-
Bettws-y-Coed, to 6 p.m. ...	37	27	b, c, b	0·0	*	Skegness	*	*	*	5·8	*
Aberystwyth, to 6 p.m. ...	39	31	c	4·0	-	Scarborough, to 6 p.m. ...	39	*	*	3·7	*
Plymouth, to 9 p.m.... ...	40	29	ou, bc	0·0	-	Harrogate, to 6 p.m. ...	35	31	c, w, bc	3·0	-
Worthing	*	*	*	3·4	*	Manchester, to 9 p.m. ...	38	30	b	2·8	-
Brighton	36	*	*	3·6	*	Darwen, to 9 p.m.	32	26	o, cm, b	2·1	-
Eastbourne, to 6 p.m. ...	38	*	*	3·2	*	Birmingham, to 9 p.m. ...	34	28	o, c, b	0·6	-

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 29th Decr. 1903.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	STATIONS.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.
Copenhagen	30	28	o, m	-	Algiers	59	46	o, b	-
Utrecht...	32	19	b, b	-	Tunis	54	36	o, o	-
Groningen	34	21	o, bc	-	Madeira (Funchal)	Not	rec.		
Vienna	28	14	b, b	-	28th Decr. 1903	1 p.m.		1 p.m.	Measured 7 a.m.
Marseilles	46	30	b, b	-	Geneva	30	*	o	-
Florence	50	39	o, o	-	Berne	27	*	o	-
Rome	52	41	o, o	-	Coire	27	*	o	-
Naples	53	45	c, f	0·75	Castasegna	32	*	b	-
Palermo	59	43	o, o	-	Lugano	41	*	bc	-
Malta	57	51	f	0·04	Davos	21	*	b	-

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.‡ (W.E.T.)	6 p.m.
Holland	8 a.m. (" ")	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores: Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores: Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

30th Decr. 1903.	Sunrise G.M.T.	Noon G.M.T	Sunset G.M.T.
Yarmouth	8.6	11.56	3.46
Greenwich	8.8	12.3	3.58
Wick	9.5	12.15	3.24
Valencia	8.51	12.44	4.37

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " " £1 10 0 " Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

ADDITIONS AND CORRECTIONS TO THE

1. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

DATE.	STATIONS.	YESTERDAY EVENING. Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Force (0 to 12).	Weather.	THIS MORNING. Barometer. At 32° Fahr. and M.S.L.	Change since Yesterday.	Temperature. Dry Bulb.	Wet Bulb.	Change since Yesterday.	Wind. Direc.	Force (0 to 12).	Weather.	Sea (0 to 9).	PAST 24 HOURS. Temp. Max.	Min.	Weather	Sunshine.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°								Hours.	Ins.
1st	Corunna.	29.39	46	N	3	r	29.67	+.40	41	39	−11	NE	3	bc	6	54	36	—	—	0.16
"	Lisbon.	29.47	46	N	4	o	29.71	+.21	45	39	−9	N	5	b	—	57	43	—	—	0.12
2nd	Haparanda.	29.82	17	Z	0	f	29.65	−.05	16	15	+1	N	2	o	—	18	3	—	—	—
"	Corunna.	29.71	46	N	3	bc	29.91	+.24	41	39	0	ENE	1	o	—	50	36	—	—	0.12
3rd	Corunna.	30.02	45	ENE	1	bc	30.23	+.32	37	34	−4	N	1	bc	3	46	32	—	—	0.08
"	Lisbon.	29.96	43	N	5	b	30.09	+.28	42	37	+2	NNE	5	b	—	46	39	—	—	—
"	P. Delgada.	30.42	57	NE	3	o	30.46	+.16	55	50	0	NNE	1	o	2	61	55	—	—	—
4th	Oxford.	29.66	42	SW	8	r	29.44	−.55	43	41	+6	SW	4	ow	—	45	37	rq	—	0.06
"	Perpignan.	30.12	35	W	2	b	29.97	−.17	35	30	+4	NW	4	b	—	43	35	—	—	—
"	Lisbon.	30.23	42	N	4	b	30.28	+.09	44	42	+2	SSW	2	bc	—	48	41	—	—	—
"	P. Delgada.	30.50	56	NNW	1	o	30.49	+.03	57	54	+2	WNW	3	c	2	61	54	—	—	—
5th	Corunna.	30.10	54	NW	5	r	29.91	?	56	55	?	WSW	7	r	—	56	52	—	—	0.67
"	P. Delgada.	30.49	57	N	3	bc	30.44	−.05	60	54	+3	W	4	o	2	63	57	—	—	—
6th	Haparanda.	29.62	—	SE	2	r	29.69	−.22	32	—	0	SE	2	o	—	—	—	—	—	—
"	Hernösand.	29.61	—	Z	0	b	29.38	−.40	35	—	−1	SE	3	s	—	—	—	—	—	0.75
"	Stockholm.	29.73	—	SW	1	o	29.41	−.33	33	—	−2	SW	1	o	—	—	—	—	—	0.35
"	Wisby.	29.60	—	SW	1	o	29.38	−.24	34	—	−1	SSW	1	o	—	—	—	—	—	0.16
"	Karlstad.	29.63	—	Z	0	o	29.39	−.20	32	—	−2	SW	1	o	—	—	—	—	—	0.16
7th	Liverpool Obsy.	29.57	35	SW	1	b	29.06	−.41	39	37	+8	SSE	6	r	4	40	31	pm, b	—	0.04
"	Spurn Head.	29.55	32	WSW	3	f	29.36	−.03	37	36	+5	S	6	c	3	37	30	—	—	—
"	Lisbon.	30.07	53	SW	3	o	30.14	+.14	58	56	+5	NW	4	c	—	59	52	—	—	0.04
"	P. Delgada.	30.33	62	W	4	c	30.36	+.04	63	58	+4	WSW	4	o	3	64	59	—	—	—
9th	Corunna.	30.18	57	WSW	3	o	29.94	?	59	57	?	SW	3	o	8	61	54	—	—	0.12
10th	Corunna.	29.86	54	WSW	3	f	29.83	−.11	48	46	−11	SW	3	o	6	61	45	—	—	0.24
"	P. Delgada.	30.39	58	NNE	4	c	30.43	+.19	57	50	−7	N	4	o	3	66	55	—	—	—
11th	Corunna.	29.82	48	SW	3	o	29.87	+.04	50	46	+2	W	3	o	7	52	45	—	—	0.39
"	Lisbon.	30.00	50	NNW	4	bc	30.04	+.03	50	46	−6	WNW	2	c	—	57	44	—	—	0.08
"	P. Delgada.	30.29	57	Z	0	o	30.18	−.25	58	55	+1	WSW	6	r	5	61	55	—	—	0.08
12th	Nice.	29.65	48	ESE	5	r	29.77	−.01	43	42	−4	Z	0	b	4	48	41	—	—	1.93
"	Corunna.	29.79	52	SW	5	o	29.36	−.51	46	43	−4	WSW	5	o	5	54	41	—	—	0.24
"	Lisbon.	29.91	56	SW	5	o	29.57	−.47	58	57	+8	WSW	8	r	—	?58	50	—	—	0.04
13th	Scilly.	28.88	46	NE	7	r	29.05	−.05	47	45	+2	NNW	7	o	6	50	43	or	0.0	1.24
14th	Scilly.	29.41	46	NW	5	o	29.45	+.40	48	46	+1	SSE	6	o	5	48	44	o	0.0	0.05
"	Corunna.	29.83	52	W	3	bc	29.68	−.24	50	48	+5	S	5	o	5	54	45	—	—	0.12
"	P. Delgada.	29.88	58	N	4	b	29.82	−.24	54	49	−5	W	5	b	5	63	52	—	—	0.20
15th	Scilly.	29.34	49	SSE	7	m	29.42	−.03	51	50	+3	S	4	o	5	51	46	r, m	0.0	0.18
"	Corunna.	29.56	57	S	6	o	29.53	−.15	50	48	0	S	3	o	3	59	46	—	—	0.39
16th	Scilly.	29.42	50	ESE	4	r	29.42	.00	49	49	−2	ESE	4	r	5	52	49	r	0.0	0.48
"	Corunna.	29.43	54	S	1	b	29.44	−.09	48	46	−2	SSE	1	f	3	55	46	—	—	0.28
"	P. Delgada.	30.10	58	NW	5	b	30.12	+.18	60	57	+3	WNW	4	c	4	63	57	—	—	—
17th	Scilly.	29.51	48	NE	4	r	29.75	+.33	49	47	0	NNW	2	c	4	51	47	r	0.0	0.18
"	Corunna.	29.64	53	ESE	1	bc	29.95	+.51	50	48	+2	WSW	3	f	3	54	46	—	—	0.12
"	Lisbon.	29.80	54	N	4	b	30.02	+.56	52	49	−2	NNW	2	o	—	57	50	—	—	0.08
"	P. Delgada.	30.13	62	WSW	5	bc	30.12	.00	63	61	+3	WSW	4	o	4	64	—	—	—	—
18th	Scilly.	29.75	48	ENE	1	o	29.42	−.33	48	47	−1	ENE	8	r	6	51	47	c, o	2.8	0.32
"	Corunna.	29.87	52	SSW	3	o	29.71	−.24	52	50	+2	W	3	r	3	55	48	—	—	0.12
"	Lisbon.	29.96	53	SSW	4	o	29.88	+.14	54	53	+2	WNW	4	o	—	55	52	—	—	0.67
19th	Scilly.	29.47	50	S	2	c	29.78	+.36	48	48	0	S	1	c	5	51	47	c	0.0	0.14
"	Corunna.	29.75	52	WNW	5	o	29.84	+.13	52	50	0	WNW	3	o	6	54	46	—	—	0.20
20th	Scilly.	29.84	51	NNW	1	c	29.99	+.21	50	48	+2	NNW	1	o	3	52	48	c	0.0	0.10
21st	Scilly.	30.07	50	?	?	?	30.08	+.09	50	49	0	S	4	c	3	54	48	—	0.8	—
"	Corunna.	30.14	54	NW	1	b	30.23	+.16	49	?	−2	E	3	c	1	55	43	—	—	—
22nd	Scilly.	30.05	53	S	6	o	29.95	−.13	53	53	+3	S	6	o	5	54	48	—	3.4	—
"	Corunna.	30.26	54	E	1	b	30.26	+.03	48	43	−1	S	5	c	2	57	41	—	—	—
"	Lisbon.	30.35	50	ENE	2	b	30.34	+.07	42	42	−3	NNE	4	bc	—	54	41	—	—	—
"	P. Delgada.	30.24	55	NW	4	b	30.38	+.33	53	49	−5	NNW	4	b	3	64	52	—	—	—
23rd	Corunna.	30.18	57	S	3	c	30.15	−.11	50	—	+2	WNW	3	r	5	59	43	—	—	0.24
"	Lisbon.	30.19	52	SSW	2	o	30.10	−.24	49	48	+7	N	4	c	—	54	42	—	—	0.08
24th	Corunna.	30.06	54	NW	5	o	30.11	−.04	51	46	+1	NW	3	o	4	55	45	—	—	0.28
26th	Corunna.	30.15	50	WSW	1	o	30.11	?	48	47	?	E	2	o	3	52	36	—	—	0.12
27th	Corunna.	30.03	48	NE	2	o	29.96	−.15	43	41	−5	SW	1	o	3	50	39	—	—	0.28
28th	Corunna.	29.90	47	S	5	o	29.80	−.16	45	—	+2	SW	3	o	o	50	43	—	—	0.24
"	Lisbon.	29.95	45	NE	3	o	29.92	−.08	41	—	+2	NE	3	o	—	50	39	—	—	—
"	P. Delgada.	30.08	63	SW	4	o	30.09	−.01	62	—	+2	NW	4	o	3	64	60	—	—	0.08

REPORTS FOR DECEMBER, 1903.

I. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY. (CONTD).

DATE.	STATIONS.	YESTERDAY EVENING					THIS MORNING.									PAST 24 HOURS.				
		BAROM.	TEMP.	WIND.			BAROMETER.		TEMPERATURE.			WIND.				TEMP.				
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12).	Weather.	At 32° Fahr. and M.S.L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12).	Weather.	Sea (0 to 9).	Max	Min.	Weather	Sunshine.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°								Hours.	Ins.
29th	Corunna.	29.60	51	NW	3	0	29.73	-.07	47	45	+2	SW	3	0	4	52	43	–	–	–
"	P. Delgada.	30.12	61	NNW	5	0	30.26	+.17	57	50	-5	N	4	0	2	64	55	–	–	0.12
30th	Corunna.	29.61	46	SSW	3	0	29.76	+.03	48	44	+1	E	3	0	5	50	41	–	–	0.39
"	P. Delgada.	30.25	58	SSW	4	0	30.08	-.18	62	60	+5	NW	4	0	3	61	54	–	–	0.75
31st	Corunna.	29.83	46	N	3	0	29.53	-.23	43	41	-5	SE	3	0	3	45	34	–	–	0.12
"	Lisbon.	29.81	49	WNW	3	0e	29.59	-.15	50	49	+1	WNW	3	0	–	54	49	–	–	0.35
"	P. Delgada.	30.14	57	WNW	6	0	30.25	+.17	52	44	-10	NNW	4	0e	3	63	52	–	–	–

2. CORRECTIONS.

DATE.	STATIONS.	Barom.	Temp.	Wind Direc.	Wind Force	Weather	Barometer	Change	Dry Bulb	Wet Bulb	Change	Wind Direc.	Wind Force	Weather	Sea	Max	Min	Weather	Sunshine	Rainfall
1st	Blacksod Point.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	34	–	–	–
"	Pembroke.	–	–	–	–	–	–	–	–	–	–	–	–	–	3	–	–	–	–	–
"	North Shields.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	26	–	–	–
2nd	Hernösand.	29.72	16	–	–	0	29.61	-.14	18	–	+13	–	4	c	–	–	–	–	–	–
"	Parsonstown.	?29.83	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
3rd	Sumburgh Head.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	42	31	–	–	–
"	Parsonstown.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	20	–	–	–
"	Donaghadee.	–	–	–	–	–	29.51	–	–	–	–	–	–	–	–	–	–	–	–	–
"	Portland Bill.	–	–	–	–	–	30.05	–	–	–	–	–	–	–	–	–	–	–	–	–
"	London.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	?27	–	–	–
"	C. Gris Nez.	30.01	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
4th	Nairn.	29.09	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
"	Aberdeen.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0.01
"	Spurn Head.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	32	–	–	0.19
"	Yarmouth.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0.11
5th	Liverpool Obsy.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0.07
"	Horta.	30.52	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
6th	Nottingham.	–	–	–	–	–	29.45	–	–	–	–	–	–	–	–	–	–	–	–	–
7th	Roches Point.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0.39
"	Pembroke.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	40	–	–	–
"	Clacton.	–	–	–	–	–	–	–	–	–	–	–	–	c	–	–	–	–	–	No rain.
8th	Valencia.	–	–	–	–	–	–	–	–	–	–	–	–	ogm	–	–	–	–	–	–
"	Spurn Head	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0.20
"	Yarmouth.	–	–	–	–	–	29.25	–	–	–	–	–	–	–	–	–	–	–	–	–
9th	Malin Head	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	39	–	–	–
"	Jersey (St Aubins)	–	–	–	–	–	29.35	-.16	–	–	–	–	–	–	–	–	–	–	–	–
11th	Sumburgh Head	–	–	–	–	–	–	–	–	–	–	–	–	–	6	–	–	–	–	–
"	Parsonstown	29.04	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
13th	Haparanda.	30.25	–	–	–	–	30.36	–	–	–	–	–	–	–	–	–	–	–	–	–
"	Hernösand.	30.29	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
"	Corunna.	29.49	46	WSW	6	0	29.76	+.40	48	–	+2	W	6	–	–	50	–	–	–	0.39
14th	Dungeness.	–	–	–	–	–	29.65	+.27	–	–	–	–	–	–	–	–	–	–	–	–
15th	Parsonstown.	–	–	W	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
"	Portland Bill	–	–	–	–	–	29.62	+.02	–	–	–	–	–	–	–	–	–	–	–	–
"	Nairn.	–	–	–	–	–	29.67	–	–	–	–	–	–	–	–	–	–	–	–	–
18th	Jersey (St Aubins)	29.55	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
18th	Malin Head.	–	–	SSW	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
20th	Bath.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0.0	–
22nd	Berlin.	30.54	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
25th	Dungeness.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	34	–	–	–
27th	Blacksod Pt.	–	–	SE	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
"	Portland Bill.	–	–	–	–	–	30.09	–	–	–	–	–	–	–	–	–	–	–	–	–
"	Cuxhaven	30.23	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
"	The Helder.	30.17	–	–	–	–	30.11	+.05	–	–	–	–	–	–	–	–	–	–	–	–
28th	Donaghadee.	–	–	–	–	–	30.18	–	–	–	–	–	–	–	–	–	–	–	–	–
"	Yarmouth.	30.18	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
"	Frankfurt.	–	–	–	–	–	–	–	27	?	-7	–	–	–	–	–	–	–	–	–
29th	Spurn Head.	30.21	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
31st	Malin Head.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	36	–	–	–	–
"	Liverpool Obsy.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	36	29	–	–	–